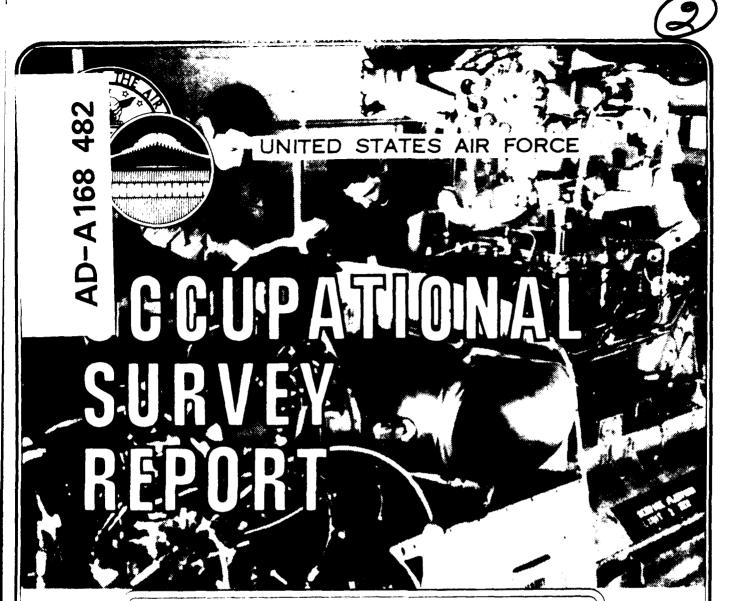


₩iCBuCUb.

CHART



RELICOPTER MECHANIC CAREER LADDER

(AFSC 431X0C/D) AFPT 90-431-530

MAY 1986

OCCUPATIONAL ANALYSIS PROGRAM 'USAF OCCUPATIONAL MEASUREMENT CENTER AIR TRAINING COMMAND RANDOLPH AFB, TEXAS 78150-5000

distri!

86

6 01 5

DISTRIBUTION FOR AFSC 431X0C/D OSR AND SUPPORTING DOCUMENTS

	OSR	ANL EXT	TNG EXT	JOB INV
AFHRL/MODS	2	lm	1m	
AFHRL/ID	1	1m	1m/1h	
AFLMC/LGM	1		1	
AFMEA/MEMD	1	1 h	1	
AFMPC/DPMRTC	2			
ARMY OCCUPATIONAL SURVEY BRANCH	1			
CCAF/AYX	1			
DEFENSE TECHNICAL INFORMATION CENTER	2			
HQ AFISC/DAP	2 2 3 2 3			
HQ AFSC/MPAT	3		3	
HQ ATC/TTQL	2		1	
HQ MAC/DPAT	3		3	
HQ MAC/TTGT	1		1	
HQ TAC/DPATJ	3		3	
HQ TAC/TTGT	1		1	
HQ USAF/LEYW	1		1	
HQ USAF/MPPT	1		1	
HQ USAFE/DPAT	3		3	
HQ USAFE/TTGT	1		1	
HQ USMC (CODE TPI)	1			
NODAC	1			
3700 TCHTW/TTGX (SHEPPARD AFB TX)	5	2	9	2
3700 TCHTW/TTS (SHEPPARD AFB TX)	1		1	
DET 4, USAFOMC (SHEPPARD AFB TX)	1	1	1	1
USAFOMC/OMYXL	10	2m	5	10
3507 ACS/DPKI	1			

m = microfiche only
h = hard copy only

Accession For	
NTIS GRARI	X
DTIC TA	1
Unannati 🦠 🤻	
Justifi: 1.	
Ву	
Distr	
Aveil	3
	,>
Dist	
!	
A .	
4-1	
/ L '	

for paid distribution



TABLE OF CONTENTS

	PAGE NUMBER
PREFACE	iii
SUMMARY OF RESULTS	iv
INTRODUCTION	1
SURVEY METHODOLOGY	1 2 3 3
SPECIALTY JOBS	7 8 10 18
ANALYSIS OF DAFSC GROUPS	19 19 19
ANALYSIS OF EXPERIENCE GROUPS	26 26 32
TRAINING ANALYSIS	32 32 35 38
OTHER CONSIDERATIONS	43 43 43 43
INDLICATIONS	40

PREFACE

This report presents the results of a detailed Air Force occupational survey of the Helicopter Mechanic Specialty (AFSC 431XOC/D). The project was undertaken at the request of the 3700 Technical Training Wing, Air Training Command, Sheppard Air Force Base, Texas. Priority was established by the Occupational Analysis Program Priorities Working Group (PWG) in accordance with AFR 35-2. Computer printouts from which this report was produced are available for use by operating and training officials.

The survey instrument was developed by First Lieutenant Carl Middleton, Inventory Development Specialist. Computer programming support for this project was provided by Staff Sergeant Joseph E. Seitz, while administrative support was provided by Ms Iva L. Winslow. Mr Hank Dubois, Occupational Analyst, analyzed the survey data and wrote the final report. This report has been reviewed and approved by Lieutenant Colonel Charles D. Gorman, Chief, Airman Career Ladders Analysis Branch, Occupational Analysis Division, USAF Occupational Measurement Center.

Copies of this report are distributed to Air Staff sections, major commands, and other interested training and management personnel. Additional copies may be obtained on request to the USAF Occupational Measurement Center, Attention: Chief, Occupational Analysis Division (OMY), Randolph AFB. Texas 78150-5000.

PAUL T. RINGENBACH, Colonel, USAF Commander USAF Occupational Measurement Center JOSEPH S. TARTELL, GM-14 Chief, Occupational Analysis Division USAF Occupational Measurement Center

SUMMARY OF RESULTS

- 1. Survey Coverage: Job inventory booklets were administered to Helicopter Mechanics (AFSC 431X0C/D) worldwide. Survey results are based on the responses of 965 incumbents representing 70 percent of the assigned C-Shred personnel and 77 percent of the D-Shred personnel.
- 2. Specialty Jobs: The study identified seven major jobs. Over 80 percent of the incumbents were performing primarily maintenance-type tasks and were found in 4 groups differentiated by aircraft maintained (H-1, H-3, H-53, and H-60). The three remaining jobs include a large group of maintenance supervision and management personnel and two much smaller support jobs--ground support and tool crib personnel.
- 3. <u>Career Ladder Progression</u>: Personnel continue to be mechanics as they progress up the career ladder. Although supervisory and management responsibilities increase at the technician (7-skill) level, these personnel continue to spend more than 50 percent of their job time on technical tasks.

As time in service increased, the relative time spent on supervisory and technical tasks paralleled that found in skill level progression.

Job satisfaction indicators for first-enlistment, second-enlistment, and career personnel were somewhat more positive than those in other mission equipment maintenance career ladders.

- 4. Training Documents: The current 431XOC/D STSs and basic resident course POIs generally were supported by survey data. There were several tasks not matched to training documents that were performed by significant percentages of group members targeted for training. The computer printouts of tasks not referenced to each of these training documents should be thoroughly reviewed by training managers for possible inclusion in the next change to these career ladder training documents.
- 5. <u>Implications</u>: Analysis of survey data indicates the pattern of jobs has remained fairly stable for Helicopter Mechanics since the last survey. The present classification system accurately describes the job structure identified in the study, and a classification change to delete the C- and D-Shreds should have no effect on the present job structure. The deletion of shreds will affect training programs in that a new common Specialty Training Standard and basic resident training course must be developed. Present STSs and POIs, with supporting survey data, present a good picture of current training requirements and will provide a strong foundation for the building of new training documents.

OCCUPATIONAL SURVEY REPORT HELICOPTER MECHANIC CAREER LADDER (AFSC 431XOC/D)

INTRODUCTION

This is an occupational survey report (OSR) of the Helicopter Mechanic career ladder (AFSC 431XOC/D) completed by the Occupational Analysis Division, USAF Occupational Measurement Center, in March 1986. The survey was conducted in response to a request from the career ladder training manager, 3700 Technical Training Wing, Sheppard Technical Training Center, to assess current training. The last survey report of the Helicopter Mechanic specialty was published in 1978.

Background

As outlined in the current AFR 39-1 Specialty Descriptions, Helicopter Mechanic personnel are responsible for inspecting, repairing, maintaining, troubleshooting, and servicing helicopter aircraft and installed equipment. In addition, they perform maintenance staff functions and supervisory roles.

The Helicopter Mechanic career ladder has remained stable over the years. Only minor classification changes have been made, such as dropping or adding alpha shreds reflecting changes in the Air Force helicopter inventory. At the time of this survey, two shreds were being utilized in the classification of the Helicopter Mechanic career ladder: the C-Shred, identifying the portion of the specialty related to Articulated Rotor Helicopter aircraft (CH/HH-3, CH/HH-53, and HH/UH-60); and the D-Shred, identifying that portion related to Semirigid Rotor Helicopters (HH-1H and UH-1F/P/N).

Subsequent to the request to survey the 431XOC/D career ladders, a proposed classification change to delete the C- and D-Shreds was staffed, coordinated, and approved to become effective no earlier than 30 April 1986. Rationale for the classification change is to improve maintenance capability by providing a large pool of individuals trained to work on any helicopter. In addition, the change will alleviate inequities in frequency of overseas assignment between C- and D-Shred personnel. This classification change will not affect the results of this survey.

SURVEY METHODOLOGY

Inventory Development

The data collection survey instrument for this occupational survey was USAF Job Inventory AFPT 90-431-530, dated April 1984. A preliminary task list was prepared after reviewing pertinent career ladder publications and directives, tasks from previous job inventories, and data from the last OSR.

APPROVED FOR PUBLIC RELEASE: DISTRIBUTION UNLIMITED

This preliminary task list was refined and validated through personal interviews with training and operational subject-matter specialists selected to cover the entire range of helicopter models and series at the locations listed below--based on the recommendations of the functional managers of the primary major commands using Helicopter Mechanic resources:

3760 TCHTG, Sheppard AFB TX - location of the C- and D-Shred basic Helicopter Mechanic courses

655 Consolidated Aircraft Maintenance Squadron, Eglin AFB FL - only H-60 maintenance location

834 Aircraft Generation Squadron, Hurlburt Field FL - H-53 and H-1N maintenance location

Det 4, Aerospace Rescue and Recovery Squadron, Little Rock AFB AR - H-1H maintenance location

6514 Test Squadron, Hill AFB UT - Cold Weather and Special Utility System location

1550 Aircrew Training and Test Wing, Kirtland AFB NM - H-1F and H-3 maintenance location

This process resulted in a final job inventory containing a list of 1,084 tasks grouped within 12 duty headings. The inventory also included a background section asking such information as maintenance courses completed, workcenter assigned, aircraft maintained, and maintenance and support equipment used.

Survey Administration

From September 1984 through March 1985, Consolidated Base Personnel Offices (CBPO) at operational units worldwide administered the inventory to job incumbents holding AFSC 431XOC/D. These job incumbents were selected from a computer-generated mailing list obtained from personnel data tapes maintained by the Air Force Human Resources Laboratory (AFHRL).

Each individual who completed the inventory first completed an identification and background section and then checked each task performed in their current job. After checking all tasks performed, each member then rated each of these tasks on a 9-point scale showing relative time spent on that task, as compared to all other tasks checked. The ratings ranged from one (very small amount of time spent) through five (about average time spent) to nine (very large amount time spent).

To determine relative time spent for each task checked by a respondent, all of an incumbent's ratings are assumed to account for 100 percent of his or her time spent on the job and are summed. Each task rating is then divided by

the total task ratings and multiplied by 100. This procedure provides a basis for comparing tasks in terms of both percent members performing and average percent time spent.

Survey Sample

Personnel were selected to participate in this survey to ensure an accurate representation across major commands (MAJCOM) and paygrade groups. All eligible AFSC 431XOC/D personnel were mailed survey booklets. (Personnel in initial technical training; projected for PCS, retirement, or discharge; those in hospital status; and those with less than 6 weeks on the job are not eligible for survey). Table 1 shows the percentage distribution, by MAJCOM, of assigned personnel in both AFSCs 431XOC and 431XOD, as of July 1984. Also listed is the percentage distribution, by MAJCOM, of respondents in the final survey sample. The 563 respondents included in the final 431XOC sample represent 84 percent of the 431XOC career ladder personnel eligible for the survey. The 402 personnel in the final 431XOD sample represent 87 percent of those eligible for survey in the 431XOD career ladder.

Table 2 reflects the paygrade distribution, while Table 3 lists the sample distribution by total active federal military service (TAFMS) groups. As reflected in these three tables, the survey sample provides a very good representation of both the C- and D-Shred populations.

Task Factor Administration

In addition to completing the job inventory, selected senior 431XOC/D personnel were also tasked to complete a second booklet for either task difficulty (TD) or training emphasis (TE). The TD and TE booklets are processed separately from the job inventories. The rating information is used in several analyses discussed in this report. MAJCOM distribution of these raters appears in Table 4.

Task Difficulty (TD). Each person completing a TD booklet was asked to rate all inventory tasks on a 9-point scale (from extremely low to extremely high) as to relative difficulty of each task. Difficulty is defined as the length of time required by an average incumbent to learn to do a task. Task difficulty data were independently collected from 109 experienced 5- or 7-skill level 431XOC/D personnel stationed worldwide. The interrater reliability (as assessed through components of variance of standard group means) was .96, which reflects high agreement among the raters. Ratings were adjusted so tasks of average difficulty would have a 5.0 rating and a standard deviation of 1.0. The resulting data are essentially a rank ordering of tasks, indicating the degree of difficulty for each task in the inventory.

Job Difficulty Index (JDI). After determining the TD index for each task item, a Job Difficulty Index (JDI) was computed for the job groups identified in the survey analysis. The JDI provides a relative measure of which jobs, in comparison to other jobs, are more or less difficult. An equation using the number of tasks performed and the average difficulty per unit time spent

TABLE 1
COMMAND REPRESENTATION OF SURVEY SAMPLE

	431X0C		431XOD		
COMMAND	PERCENT OF ASSIGNED	PERCENT OF SAMPLE	PERCENT OF ASSIGNED	PERCENT OF SAMPLE	
MAC	78	79	77	75	
TAC	4	3	19	20	
AFSC	11	11	2	3	
USAFE	5	4	*	*	
ATC	7	1	1	1	
OTHER	1	2	1	1	

	431X0C	431XOD
TOTAL ASSIGNED	799	524
TOTAL ELIGIBLE	669	462
TOTAL IN SAMPLE	563	403
PERCENT OF ASSIGNED IN SAMPLE	70%	77%
PERCENT OF ELIGIBLE IN SAMPLE	84%	87%

NOTE: Manning figures as of July 1984 * Less than 1 percent

Europe Brounds

TABLE 2
PAYGRADE REPRESENTATION OF SURVEY SAMPLE

	431X0C		431X0D	
PAYGRADE	PERCENT OF ASSIGNED	PERCENT OF SAMPLE	PERCENT OF ASSIGNED	PERCENT OF SAMPLE
AIRMAN	39	38	31	26
E-4	16	15	23	23
E-5	25	26	29	32
E-6	13	13	10	11
E-7	7	8	7	8

TABLE 3
TAFMS REPRESENTATION OF SURVEY SAMPLE

	431X0C		431XOD	
MONTHS TAFMS	PERCENT OF ASSIGNED	PERCENT OF SAMPLE	PERCENT OF ASSIGNED	PERCENT OF SAMPLE
1-48	43	42	35	34
49-96	22	23	33	33
97-144	13	14	14	16
145-192	10	10	7	8
193-240	8	8	7	6
241+	4	3	4	3

NOTE: Manning figures as of July 1984

TABLE 4
TASK FACTOR RATER MAJCOM DISTRIBUTION

COMMAND	PERCENT OF ASSIGNED	PERCENT OF TE RATERS	PERCENT OF TD RATERS
MAC	77	77	76
TAC	10	10	12
AFSC	8	8	6
ATC	1	0*	6
OTHER	4	5	0

^{*} Training emphasis ratings are not routinely gathered from ATC personnel

(ADPUTS) as variables is the basis for the JDI. Thus, the more time a group spends on difficult tasks and the more tasks group members perform, the higher the JDI. The index ranges from 1.0 for very easy jobs to 25.0 for very difficult jobs. The measurements are adjusted so the average JDI is 13.0.

Training Emphasis (TE). Training emphasis is a rating of which tasks require structured training for first-term personnel. Structured training is defined as training provided at resident technical schools, field training detachments (FTD), mobile training teams (MTT), formal OJT, or by any other organized training method. Individuals completing TE booklets were asked to rate tasks on a 10-point scale from no training required to extremely heavy training required. Data were independently collected from 120 experienced 5- and 7-skill level 431XOC/D personnel stationed worldwide.

Three sets of TE data were analyzed. These included TE data as rated by all the raters (120 members) and for two groups within those 120 developed from the shred of the rater, C-Shred (59 members) or D-Shred (61 members). While the interrater reliability of the overall group (as assessed through components of variance of standard group means) was .95, indicating general agreement, a task-by-task review of ratings across the maintenance backgrounds indicated there are differences in how the two groups perceive first-term training needs. Therefore, the TRAINING ANALYSIS section of this report utilizes TE ratings developed on rater shred, i.e., helicopter background.

When used in conjunction with other factors, such as percent members performing, the TD and TE ratings can provide an insight into training requirements. This may help validate the lengthening or shortening of specific units of instruction in various training programs.

SPECIALTY JOBS

The structure of jobs within the Helicopter Mechanic career ladder was examined on the basis of similarity of tasks performed and the percent time spent ratings provided by job incumbents, independent of specialty or other background factors.

For the purpose of organizing individual jobs into similar units of work, an automated job clustering program is used. This hierarchical grouping program is a basic part of the Comprehensive Occupational Data Analysis Program (CODAP) system for job analysis. Each individual job description in the sample is compared to every other job description in terms of tasks performed and the relative amount of time spent on each task in the job inventory. The automated system is designed to locate the two job descriptions with the most similar tasks and percent time ratings and combine them to form a composite job description. In successive stages, new members are added to initial groups or new groups are formed based on the similarity of tasks and percent of time ratings in each individual job description. This procedure is continued until all individuals and groups are combined to form a single composite representing the total sample. The resulting analysis of the variety of

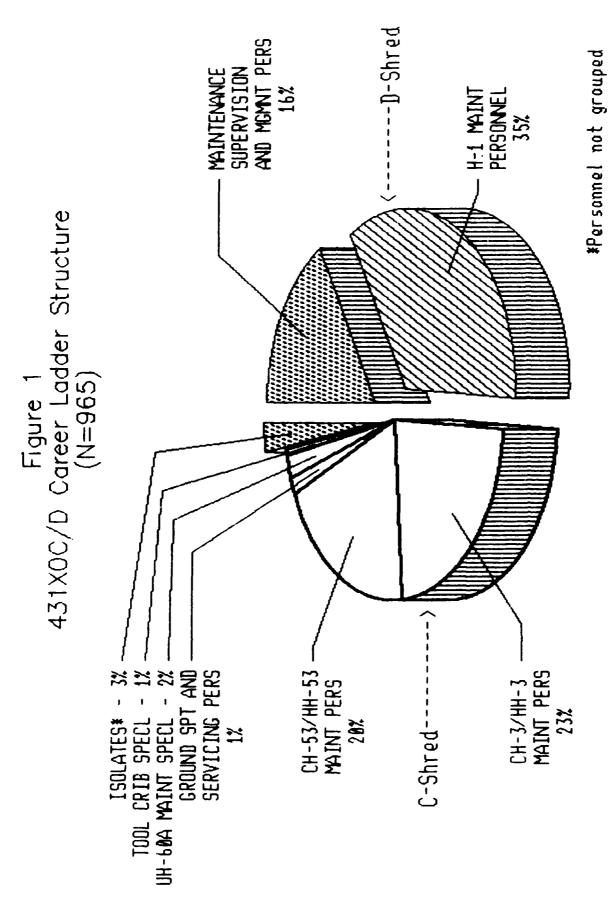
groups of jobs serves to identify: (1) the number of characteristics of the different jobs which exist within the career ladders; (2) the tasks which tend to be performed together by the same respondents; and (3) the breadth or narrowness of the jobs which exist within the Helicopter Mechanic career ladder.

The basic identifying group used in the hierarchical job structuring process is the $\underline{\mathsf{Job}}$ $\underline{\mathsf{Type}}$. A job type is a group of individuals who perform many of the same tasks and spend similar amounts of time performing them. When there is a substantial degree of similarity between different job types, they are grouped together and labeled as $\underline{\mathsf{Clusters}}$. In many career ladders, there are specialized job types too dissimilar to be grouped into any cluster. These unique groups are labeled Independent $\underline{\mathsf{Job}}$ $\underline{\mathsf{Types}}$.

Specialty Structure Overview

Based on the similarity of tasks performed and the amount of time spent performing each task, five clusters and two independent job types were identified in the examination of the Helicopter Mechanic career ladder. These major jobs are illustrated in Figure 1 and are described on the following pages. The group (GRP) number shown beside each title is a reference to computer-printed information and the letter N refers to the number of personnel in the group:

- I. MAINTENANCE SUPERVISION AND MANAGEMENT PERSONNEL CLUSTER (GRP007, N=157)
 - A. Training Personnel (GRP017, N=13)
 - B. Quality Control Inspectors (GRP031, N=23)
 - C. Helicopter Maintenance and Support NCOICs (GRP039, N=55)
 - D. Maintenance Control Specialists (GRP035, N=34)
 - E. Headquarters Staff Personnel (GRP089, N=5)
- II. H-1 FLIGHTLINE MAINTENANCE PERSONNEL CLUSTER (GRP036, N=333)
 - A. H-1 Flightline Specialists (GRP133, N=279)
 - B. H-1 Line Chiefs (GRP156, N=13)
- III. CH/HH-3 FLIGHTLINE MAINTENANCE PERSONNEL CLUSTER (GRP057, N=220)
 - A. H-3 Flightline Specialists (GRP108, N=205)
 - B. H-3 Line Chiefs (GRP110, N=13)
- IV. CH/HH-53 FLIGHTLINE MAINTENANCE PERSONNEL CLUSTER (GRP059, N=190)
 - A. H-53 Flightline Specialists (GRP134, N=170)
 - B. H-53 Line Chiefs (GRP136, N=5)
- V. GROUND SUPPORT AND SERVICING PERSONNEL CLUSTER (GRPO34, N≈14)
 - A. H-53 Ground Support Specialists (GRP128, N=6)
 - B. H-3 Ground Support Specialists (GRP151, N=5)



- VI. UH-60A HELICOPTER MAINTENANCE SPECIALISTS (GRP113, N=20)
- VII. TOOL CRIB SPECIALISTS (GRP091, N=6)

The 431XOC/D survey respondents forming the above jobs accounted for 97 percent of the total sample. The remaining 3 percent, referred to as isolates, were performing tasks or series of tasks that did not group them with any of the above jobs.

Job Descriptions

The structure outlined above is not unlike the majority of systems maintenance jobs in that it is represented by supervisors and managers, systems maintainers, and maintenance support personnel. The key differentiating factor for the personnel within the Maintenance Supervision and Management Personnel cluster appears to be the amount of time spent performing supervisory, administrative, or training-related tasks. The maintenance and maintenance support jobs include four clusters and two independent job types. The differentiating factors among these jobs appear to be the helicopter aircraft maintained or supported and the average number of tasks performed.

Three tables at the end of this section provide additional information about the clusters and independent job types identified in this analysis. Table 5 provides the relative time spent on each duty by the personnel in each of the major jobs identified. For example, the Supervision and Management Personnel spend 26 percent of their job time performing administrative and supply functions (Duty E), while the Tool Crib Specialists spend 72 percent of their job time maintaining tools and ground support equipment (Duty L). Table 6 provides selected background information, such as DAFSC, MAJCOM, and average months in service (TAFMS) for the major job groups. For example, 41 percent of the Supervision and Management Personnel hold DAFSC 43170C, 73 percent are assigned to MAC, and they average 162 months in the service. Table 7 provides job satisfaction data for the major groups and may help indicate where potential morale problems might exist. For example, the Tool Crib Specialists appear to be very dissatisfied, with only 16 percent finding their job interesting and only 33 percent feeling their training is being used at least fairly well.

Also included in this report is an appendix concerning the Helicopter Mechanic specialty jobs. Appendix A provides various duty and background information for all the jobs identified in the career ladder structure analysis, including the jobs within each cluster. This appendix also lists common tasks performed by members of each of the jobs identified.

Brief descriptions of each cluster and independent job type are presented below.

I. MAINTENANCE SUPERVISION AND MANAGEMENT PERSONNEL (GRP007). Seventy-two percent of these NCOs hold a DAFSC at the 7-skill level (C-Shred, 41 percent;

TABLE 5

RELATIVE TIME SPENT ON DUTIES BY CAREER LADDER CLUSTERS AND INDEPENDENT JOB TYPES (PERCENT TIME SPENT)

TOOL CRIB SPECL (N=6)	9 12111 2
UH-60A MAINT SPECL (N=20)	-2 e 25 x - 100 = 8
GROUND SUPT & SVC PERS (N=14)	111 * 8 6 122 1 * 8
CH-53/ HH-53 MAINT PERS (N=190)	-5 α + + ⊕+ 1 - ω
CH-3/ HH-3 MAINT PERS (N=220)	22 8 8 x - © *- 8
	22F- 8 8 8 + 10 4
MAINT SUPVR & MGT PERS (N=157)	8900 Q
DUTIES	A ORGANIZING AND PLANNING B DIRECTING AND IMPLEMENTING C INSPECTING AND EVALUATING D TRAINING E PERFORMING ADMINISTRATIVE AND SUPPLY FUNCTIONS F PERFORMING GENERAL HELICOPTER MAINTENANCE G PERFORMING H-3 HELICOPTER MAINTENANCE I PERFORMING H-53 HELICOPTER MAINTENANCE I PERFORMING H-60 HELICOPTER MAINTENANCE I PERFORMING FLYING-RELATED FUNCTIONS K PERFORMING TOOLS AND GROUND SUPPORT EQUIPMENT

* Denotes less than .5 percent

TABLE 6

SELECTED BACKGROUND DATA FOR CAREER LADDER CLUSTERS AND INDEPENDENT JOB TYPES

	MAINT SUPVR & MGT PERS	H-1 MAINT PERS	CH-3/ HH-3 MAINT PERS	CH-53/ HH-53 MAINT PERS	GROUND SUPT & SVC PERS	UH-60A MAINT SPECL	TOOL CRIB SPECL
NUMBER IN GROUP PERCENT OF TOTAL SAMPLE PERCENT IN CONUS	157 1 6% 72%	333 35% 88%	220 23% 84%	190 20% 72%	14 1% 86%	20 2% 100%	6 33% 33%
DAFSC DISTRIBUTION (PERCENT) 43130D 43150C 43150D 43170C 43170D	0 0 10 10 31	0 12 1 61 0	9 0 32 0 0	12 0 58 1 29 0	93 0 7 0 0	40 0 30 5 5 0	0 0 83 0 17
AVERAGE GRADE AVERAGE MONTHS IN CAREER FIELD AVERAGE MONTHS IN SERVICE	E-6 130 162	E-4 59 73	E-4 63 79	E-4 53 66	E-2 6	E-4 46 51	E-4 77 89
PERCENT IN FIRST ENLISTMENT PERCENT SUPERVISING AVERAGE NUMBER OF TASKS PERFORMED	3% 48% 56	40% 39% 215	46% 37% 218	52% 35% 199	93% - 49	60% 40% 183	33% 33% 12
JOB DIFFICULTY INDEX (JDI) AVERAGE JDI = 13.00)	10.2	13.5	14.4	14.5		14.3	©
MAJOR COMMAND DISTRIBUTION MAC TAC AFSC USAFE	73 133 748 748 748 748 748 748 748 748 748 748	777 208 348 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0	6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	%	67% - 16% 16%

TABLE 7

JOB SATISFACTION INFORMATION FOR CAREER LADDER CLUSTERS AND INDEPENDENT JOB TYPES (PERCENT MEMBERS RESPONDING)

	MAINT SUPVR & MGT PERS (N=157)	H-1 MAINT PERS (N=333)	CH-3/ HH-3 MAINT PERS (N=220)	CH-53/ HH-53 MAINT PERS (N=190)	GROUND SUPT & SVC PERS (N=14)	UH-60A MAINT SPECL (N=20)	TOOL CRIB SPECL (N=6)
HOW DO YOU FIND YOUR JOB: INTERESTING SO-SO DULL	75 16 8	80 15 5	82 11 7	81 5	93 7 0	001 0	16 67 6
HOW WELL DOES YOUR JOB UTILIZE YOUR TALENTS: FAIRLY WELL TO PERFECTLY VERY LITTLE OR NOT AT ALL	82 17	87 13	89 11	87 13	79	90	56
HOW WELL DOES YOUR JOB UTILIZE YOUR TRAINING: FAIRLY WELL TO PERFECTLY VERY LITTLE OR NOT AT ALL	76 22	8 8	94 6	96 4	86 14	75 25	33
HOW SATISFIED ARE YOU WITH THE SENSE OF ACCOMPLISHMENT GAINED FROM YOUR JOB: SATISFIED UNDECIDED DISSATISFIED	70 9 91	76 11 13	78 9 13	74 10 16	86 14 0	90 10	16 16 67
DO YOU PLAN TO REENLIST YES, OR PROBABLY YES NO, OR PROBABLY NO NO, WILL PROBABLY RETIRE	70 12 17	72 26 2	74 20 6	33 2 2	71 29 0	70 25 5	22

^{*} Columns may not add to 100 percent due to no response or rounding

D-Shred, 31 percent). Forty-eight percent of these incumbents supervise an average of four personnel. The group spends 80 percent of their job time performing administrative and supervisory tasks associated with their function. Tasks performed by high percentages of personnel in this cluster include:

coordinate work with related maintenance activities determine work priorities plan maintenance inspections of helicopters determine requirements for space, personnel, equipment or supplies demonstrate how to locate technical information interpret policies, directives, or procedures for subordinates prepare APR counsel personnel on personal or military-related matters assign personnel to duty positions

There were five job types in this cluster. The differentiating factors for these jobs seem to be the average number of tasks performed and the amount of time spent across various supervisory and administrative duties. Training Personnel spend a majority of their time (57 percent) performing tasks directly related to either formal resident training or unit on-the-job training (OJT) programs. Quality Control Inspectors are differentiated by tasks related to the development, implementation, and follow-up of helicopter maintenance quality control and inspection programs. Helicopter Maintenance and Support NCOICs spend 49 percent of their job time performing management duties related to organizing, directing, and inspecting and another 20 percent performing administrative and supply duties. They supervise an average of 9 personnel and have an average grade of E-6. These senior personnel are assigned as maintenance superintendents, branch chiefs, and supervisors of flightline or support equipment activities. Maintenance Control Specialists are responsible for job or maintenance control functions associated with assigned helicopters. They perform an average of 19 tasks, with 40 percent of their job time related to a variety of administrative tasks. Headquarters Staff Personnel are the most senior group identified in the survey sample (averaging over 18 years in service with an average grade of E-6 or E-7). These personnel function as managers or advisors at wing level and above. (For more information about these groups, and those to follow, see Appendix A.)

II. H-1 FLIGHTLINE MAINTENANCE PERSONNEL (GRP036). There are 333 members in this cluster of two jobs (35 percent of the sample), with 80 percent reporting. They work in flightline maintenance. Over 65 percent of these respondents identified themselves as crew chiefs, assistant crew chiefs, or flightline mechanics. The group spends 58 percent of their time performing tasks related to the H-1 lightlift helicopter for which there are several models and missions. Another 23 percent of their time is spent on general maintenance

tasks common to several rotary aircraft. Examples of tasks performed by these personnel include:

attach or detach ground handling wheels on H-l
helicopters
launch H-l helicopters
inspect rotor systems on H-l helicopters
clean helicopter surfaces or compartments
remove or install airframe or engine covers
on H-l helicopters
lubricate flight controls on H-l helicopters
prepare AFTO Forms 349 (Maintenance Data
Collection Record)
install main rotor assemblies on H-l helicopters
service main rotor assemblies or H-l
helicopters
drain fuel sumps on H-l helicopters

とうかいとう でんかななかな 人気のなからない しんしんしん

There were two job types identified in this cluster. The first, H-l Flightline Specialists, performs a job most similar to that of the entire cluster. Within this group of 279 there are some job variations, based on the model of H-l aircraft assigned and length of time assigned to that aircraft. Personnel maintain one or a combination of the following models:

MODEL (Uniqueness)	Percent Maintaining
UH-1N (Utility, 2-Engine Model)	52
TH-1F (Training)	25
UH-1F (Utility)	23
HH-1H (Rescue)	23
UH-1P (Combat Version)	9

The second job, H-1 Line Chiefs, identifies those personnel responsible for first-line supervision in the cluster. While these more senior personnel (average paygrade of E-6 compared to E-4 for the previous group) still spend 53 percent of their time on maintenance tasks, they are spending 40 percent of their job time on supervisory and administrative tasks.

III. <u>CH/HH-3 FLIGHTLINE MAINTENANCE PERSONNEL (GRP057)</u>. These 220 members account for 23 percent of the total survey sample. Eighty-six percent of these respondents indicate they work in flightline maintenance, with 79 percent indicating they work on CH-3 aircraft (cargo version) and 78 percent on HH-3 (rescue version). They spend 43 percent of their job time on H-3 maintenance-unique tasks and 39 percent on general helicopter maintenance tasks. A sampling of tasks performed includes:

remove or install airframe access panels, hatches, or cowling on helicopters clean helicopter surfaces or compartments attach or detach towing devices on H-3 helicopters launch H-3 helicopters inspect rotor systems on H-3 helicopters prepare AFTO Forms 349 (Maintenance Data Collection Record) inspect flight control systems on H-3 helicopters service helicopter hydraulic systems lubricate main rotor head on H-3 or H-53 helicopters refuel helicopters using gravity procedures

Two jobs were identified in this cluster--H-3 Flightline Specialists and H-3 Line Chiefs--somewhat parallel to those found in the H-1 cluster. The H-3 Flightline Specialists are different from the H-1 comparative job in that there are no subgroups within the H-3 job.

IV. CH/HH-53 FLIGHTLINE MAINTENANCE PERSONNEL (GRP059). Of these 190 respondents (20 percent of the survey sample), 83 percent work on the HH-53 and 30 percent on the CH-53. This group spends 44 and 41 percent of their job time performing H-53 and general helicopter maintenance tasks, respectively. Tasks commonly identified with this cluster include:

remove or install airframe access panels,
hatches, or cowling on helicopters
clean helicopter surfaces or compartments
perform aircraft postflight inspections on H-53
helicopters
inspect landing gear systems on H-3 or H-53
helicopters
refuel helicopters using pressure procedure
service helicopter hydraulic systems
launch H-53 helicopters
lubricate main rotor head on H-3 or H-53
helicopters
tie down blades on H-53 helicopters
inspect transmission drive systems on H-53
helicopters

The structure of this cluster is identical to that of the CH/HH-3 Flightline Maintenance Personnel Cluster (GRP057). Parallel job types are identified, i.e., H-53 Flightline Specialists and H-53 Line Chiefs. The first, represents a group of respondents performing the full range of H-53 helicopter maintenance, and the second, a group of more senior first-line supervisors.

v. GROUND SUPPORT AND SERVICING PERSONNEL (GRP034). This very junior group of 14 airmen (average paygrade, E-2) perform an average of 49 tasks and spend 49 percent of their job time performing general helicopter maintenance tasks. These members perform a very limited job consisting of somewhat routine servicing and ground handling tasks. Two jobs are found in this cluster--different only in the aircraft supported--H-53 Ground Support Specialists and H-3 Ground Support Specialists. Examples of tasks performed by the H-53 job incumbents include:

inspect tools or tool kits
clean helicopter surfaces or compartments
connect or disconnect external electrical power
to helicopters
attach or detach towing devices on H-53
helicopters
inspect rotor systems on H-53 helicopters
refuel helicopters using pressure procedure

Tasks performed by H-3 job incumbents include:

attach or detach towing devices on H-3
helicopters
refuel helicopters using pressure procedure
launch H-3 helicopters
tie down blades on H-3 helicopters
service helicopter engine oil systems
inspect visible turbine blades

VI. UH-60A HELICOPTER MAINTENANCE SPECIALISTS (GRP113). The 20 members of this independent job type are all assigned to the 655 Consolidated Aircraft Maintenance Squadron, the only organization performing H-60 helicopter maintenance at the time of the survey. These personnel spend 57 percent of their job time performing H-60 unique tasks and 25 percent on tasks in the general helicopter maintenance duty. Some tasks representative of this group follow:

launch H-60 helicopters
recover H-60 helicopters
remove or install main rotor blades on H-60
helicopters
remove or install batteries on H-60 helicopters
remove or install stabilators on H-60
helicopters
inspect rotor systems on H-60 helicopters

VII. TOOL CRIB SPECIALISTS (GRP091). The six members of this independent job type represent the most limited job identified in the survey. They perform an average of 12 tasks and 72 percent of their job time is spent maintaining tools and ground support equipment. The Job Difficulty Index (JDI) for this job is 1.0, indicating these incumbents perform the easiest job of all major groups identified (see Table 6). Examples of tasks performed by these members include:

inventory equipment, tools, tool kits, or
 supplies
inspect tools or tool kits
clean handtools or special equipment
issue equipment, tools, tool kits, or supplies
prepare AFTO Forms 350 (Reparable Item Processing
 Tag)
maintain supply records

As mentioned earlier in this section, these journeyman-level (DAFSC 43150C/70C) personnel express very low job satisfaction (see Table 7), possibly resulting from the narrow job they perform.

Comparison of Specialty Jobs

The three large maintenance groups (H-1, H-3, and H-53) appear to represent the same basic job being performed on different aircraft. That is, the tasks they are most likely to perform are identical—differentiated only by aircraft maintained. The smaller H-60 job group differs somewhat from the previous three in that these personnel spend much less time performing Duty F tasks (general helicopter maintenance). However, all four maintenance groups spend considerable time in the maintenance of rotor and flight control systems, transmission and drive systems, and aircraft utility systems (see Appendix A).

Table 6 reflects similar background characteristics for the four aircraft maintenance groups. The noticeable exception is skill-level distribution and experience level of the H-60 maintenance group. Forty percent possess a DAFSC 43130C and 60 percent are in their first enlistment.

Data displayed in Table 7 reflect that job satisfaction does not appear to be a problem in this specialty. Although the Supervision and Management group has expressed slightly lower job satisfaction, the Tool Crib Specialists are the only seriously divergent group in terms of expressed job satisfaction.

In summary, the specialty job analysis suggests the present classification structure is working well. Aircraft-oriented groups are formed in consonance with the classification structure, with C- and D-Shred personnel matched to the appropriate job groups. Job satisfaction responses indicate individuals and training generally are well matched to the job characteristics of the career ladder. The group at the low end of the job satisfaction range

represents less than 1 percent of the survey sample and performs a very limited job.

ANALYSIS OF DAFSC GROUPS

An analysis of DAFSC groups, in conjunction with the analysis of the career ladder structure, is an important part of each occupational analysis. The DAFSC analysis identifies differences in tasks performed at the various skill levels. This information is used to evaluate how well career ladder documents, such as AFR 39-1 Specialty Descriptions and the Specialty Training Standard (STS), reflect what career ladder personnel are actually doing in the field.

A comparison of duty and task performance between 3- and 5-skill level personnel, in both the 431XOC and 431XOD career ladders, indicates the jobs they perform essentially are the same. Therefore, 3- and 5-skill level personnel will be discussed as one group in this report.

Skill Level Comparisons

As in most career ladders, the job performed by the 3- and 5-skill level personnel, in both C- and D- Shreds, is predominately technical in nature. Table 8 reflects these personnel spend 83 and 85 percent of their job time, respectively, performing maintenance-related activities (Duties F through L). Tables 9 and 10 reflect those tasks performed by the highest percentages of 3- and 5-skill level personnel of the two career ladder shreds. Those tasks include inspecting, servicing, and lubricating helicopter systems and components; removing or installing systems and components; and preparing maintenance records and forms.

The duties and tasks performed by 7-skill level personnel indicate these personnel are indeed technicians, but spend a significant amount of job time in the areas of supervision and management. Table 8 reflects 43170C personnel spend 41 percent of their job time in such duties and 43170D personnel slightly less than that (38 percent). Tables 11 and 12 list tasks performed by these groups that reflect both the technical and supervisory/management aspects of their jobs.

These findings are not unexpected, given the career ladder structure discussed in the SPECIALTY JOBS section. Distribution of DAFSC group members across the major career ladder jobs as displayed in Table 13.

AFR 39-1 Specialty Description

The foregoing 3-, 5-, and 7-skill level survey data were compared to the AFR 39-1 Specialty Descriptions for the Helicopter Mechanic (AFSC 43110/43130/43150) and the Helicopter Technician (AFSC 43170), dated

TABLE 8

RELATIVE TIME SPENT ON DUTIES BY 431X0C/D SKILL LEVEL GROUPS (PERCENT TIME SPENT)

		C-SH	IRED	D-SH	IRED
DL	ITIES	43130/50 PERSONNEL	43170 PERSONNEL	43130/50 PERSONNEL	43170 PERSONNEL
A B C D	ORGANIZING AND PLANNING DIRECTING AND IMPLEMENTING INSPECTING AND EVALUATING TRAINING	2 2 1 2	41 — 6 4	2 2 1 1	8 8 8 5 4
F G H I J K	PERFORMING ADMINISTRATIVE AND SUPPLY FUNCTIONS PERFORMING GENERAL HELICOPTER MAINTENANCE PERFORMING H-1 HELICOPTER MAINTENANCE PERFORMING H-53 HELICOPTER MAINTENANCE PERFORMING H-3 HELICOPTER MAINTENANCE PERFORMING H-60 HELICOPTER MAINTENANCE PERFORMING FLYING-RELATED FUNCTIONS	10 39 * 18 83 – 19 2 1	13 24 * 14 15 2	9 23 56 * * * 2	13 16 40 * * 2
L	MAINTAINING TOOLS AND GROUND SUPPORT EQUIPMENT	4	3	4	3

TABLE 9

REPRESENTATIVE TASKS PERFORMED BY 43130C/50C PERSONNEL

TASKS		MEMBERS PERFORMING (N=357)
F222	REMOVE OR INSTALL AIRFRAME ACCESS PANELS, HATCHES, OR	0.5
-165	COWLING ON HELICOPTERS	85 85
F165	CLEAN HELICOPTER SURFACES OR COMPARTMENTS	85
	SERVICE HELICOPTER HYDRAULIC SYSTEMS	84
	SERVICE HELICOPTER TIRES	84
	SERVICE HELICOPTER ENGINE OIL SYSTEMS	84
F168	CONNECT OR DISCONNECT EXTERNAL ELECTRICAL POWER TO	00
5105	HELICOPTERS	82
F 195	OPERATE HELICOPTER INTERPHONE SYSTEMS	82
E125	PREPARE AFTO FORMS 781A (MAINTENANCE DISCREPANCY AND	00
- 101	WORK DOCUMENT)	82
E121	PREPARE AFTO FORMS 349 (MAINTENANCE DATA COLLECTION	0.1
-100	RECORD)	81
	INSPECT LANDING GEAR SYSTEMS ON H-3 OR H-53 HELICOPTERS	80
	LUBRICATE MAIN ROTOR HEAD ON H-3 OR H-53 HELICOPTERS	80
	LUBRICATE AIRFRAME COMPONENTS ON HELICOPTERS	80
F248	REMOVE OR INSTALL MAIN ROTOR BLADES ON H-3 OR H-53	00
	HELICOPTERS	80
F226	REMOVE OR INSTALL ELECTRICAL LIGHTING COMPONENTS OR	70
- 100	BULBS	79
E133	PREPARE AFTO FORMS 781K (AEROSPACE VEHICLE INSPECTION,	
	ENG DATA, CALENDAR ITEM INSP AND DELAYED DISCREP	70
E100	DOCUMENT)	79 70
	OPERATE PORTABLE LIGHTING UNITS	79
F234	REMOVE OR INSTALL HELICOPTER PASSENGER SEATS	79
F225	REMOVE OR INSTALL CHIP DETECTORS	79
F220	REMOVE MAIN ROTOR ASSEMBLIES FROM H-3 OR H-53	70
	HELICOPTERS	79
F 179	INSPECT INSTRUMENT COVER GLASSES FOR SLIPPAGE OR BREAKAGE	78 70
F200	OPERATE SERVICING AIR COMPRESSORS	78
F236	REMOVE OR INSTALL HELICOPTER WINDSHIELDS OR NON-	7.7
-101	VETTISONABLE WINDOWS	77
E131	PREPARE AFTO FORMS 781H (AEROSPACE VEHICLE FLIGHT STATUS	77
~100	AND MAINTENANCE DOCUMENT)	77 77
F183	INSPECT VISIBLE TURBINE BLADES	77
F219	REFUEL HELICOPTERS USING PRESSURE PROCEDURE	76
F189	LUBRICATE LANDING GEAR COMPONENTS ON H-3 OR H-53	7.0
- 3.0.	HELICOPTERS	76
E 122	PREPARE AFTO FORMS 350 (REPARABLE ITEM PROCESSING TAG)	76
F276	SERVICE TRANSMISSIONS	75
F258	REMOVE OR INSTALL TAIL ROTOR DRIVE THOMAS COUPLING	3.5
	ASSEMBLIES ON H-3. H-53. OR H-60 HELICOPTERS	75

TABLE 10

REPRESENTATIVE TASKS PERFORMED BY 43130D/50D PERSONNEL

TASKS		MEMBERS PERFORMING (N=264)
G307	ATTACH OR DETACH GROUND HANDLING WHEELS ON H-1 HELICOPTERS ATTACH OR DETACH TOW BARS ON H-1 HELICOPTERS INSPECT LANDING GEAR ON H-1 HELICOPTERS TIE DOWN BLADES ON H-1 HELICOPTERS INSPECT ROTOR SYSTEMS ON H-1 HELICOPTERS LUBRICATE MAIN ROTOR HEAD ON H-1 HELICOPTERS INSPECT FLIGHT CONTROL SYSTEMS ON H-1 HELICOPTERS	
	HELICOPTERS	92
G308	ATTACH OR DETACH TOW BARS ON H-1 HELICOPTERS	91
G336	INSPECT LANDING GEAR ON H-1 HELICOPTERS	89
G 507	TIE DOWN BLADES ON H-1 HELICOPTERS	89
G338	INSPECT ROTOR SYSTEMS ON H-1 HELICOPTERS	88
G355	LUBRICATE MAIN ROTOR HEAD ON H-1 HELICOPTERS	88
G331	TIE DOWN BLADES ON H-1 HELICOPTERS INSPECT ROTOR SYSTEMS ON H-1 HELICOPTERS LUBRICATE MAIN ROTOR HEAD ON H-1 HELICOPTERS INSPECT FLIGHT CONTROL SYSTEMS ON H-1 HELICOPTERS LAUNCH H-1 HELICOPTERS REMOVE OR INSTALL BATTERIES ON H-1 HELICOPTERS JACK H-1 HELICOPTERS CLEAN HELICOPTER SURFACES OR COMPARTMENTS INSTALL MAIN ROTOR ASSEMBLIES ON H-1 HELICOPTERS REMOVE OR INSTALL HELICOPTER PASSENGER SEATS REMOVE OR INSTALL DOORS ON H-1 HELICOPTERS LUBRICATE FLIGHT CONTROLS ON H-1 HELICOPTERS PREPARE AFTO FORMS 781A (MAINTENANCE DISCREPANCY AND	88
G352	LAUNCH H-1 HELICOPTERS	88
G415	REMOVE OR INSTALL BATTERIES ON H-1 HELICOPTERS	88
G351	JACK H-1 HELICOPTERS	88
F165	CLEAN HELICOPTER SURFACES OR COMPARTMENTS	87
G349	INSTALL MAIN ROTOR ASSEMBLIES ON H-1 HELICOPTERS	87
F234	REMOVE OR INSTALL HELICOPTER PASSENGER SEATS	86
G426	REMOVE OR INSTALL DOORS ON H-1 HELICOPTERS	86
G354	LUBRICATE FLIGHT CONTROLS ON H-1 HELICOPTERS	86
E125	PREPARE AFTO FORMS 781A (MAINTENANCE DISCREPANCY AND	
	WURK BUGUENT	
G471		85
G473	REMOVE OR INSTALL MAIN ROTOR PITCH CONTROL RODS ON H-1	•
	HELICOPTERS	85
G474		22
	HELICOPTERS	85
G410	REMOVE MAIN ROTOR ASSEMBLIES FROM H-1 HELICOPTERS	84
F222	REMOVE OR INSTALL AIRFRAME ACCESS PANELS, HATCHES, OR	
	HELICOPTERS REMOVE MAIN ROTOR ASSEMBLIES FROM H-1 HELICOPTERS REMOVE OR INSTALL AIRFRAME ACCESS PANELS, HATCHES, OR COWLING ON HELICOPTERS PREPARE AFTO FORMS 781K (AFROSPACE VEHICLE INSPECTION.	84
E 133	THE TAKE AT TO TOKES FOR (MEROST NOT TENTOLE THE ESTITION)	
	ENG DATA, CALENDAR ITEM INSP AND DELAYED DISCREP	
	DOCUMENT)	84
F268	SERVICE HELICOPTER ENGINE OIL SYSTEMS	84
G356	SERVICE HELICOPTER ENGINE OIL SYSTEMS LUBRICATE TAIL ROTOR ASSEMBLIES ON H-1 HELICOPTERS ADJUST DOOR OR WINDOW LATCH MECHANISMS ON H-1	84
G293	ADJUST DOOR OR WINDOW LATCH MECHANISMS ON H-1	
	HELICOPTERS	83
F168		••
	HELICOPTERS	83
G503	SERVICE MAIN ROTOR ASSEMBLIES ON H-1 HELICOPTERS	83
G412	REMOVE OR INSTALL AIRFRAME OR ENGINE COVERS ON H-1	24
	HELICOPTERS	82
G350	INSTALL TAIL ROTOR ASSEMBLIES ON H-1 HELICOPTERS	82
E131	PREPARE AFTO FORMS 781H (AEROSPACE VEHICLE FLIGHT STATUS	2.3
	AND MAINTENANCE DOCUMENT)	81
G320	DRAIN FUEL SUMPS ON H-1 HELICOPTERS	81

TABLE 11

REPRESENTATIVE TASKS PERFORMED BY 43170C PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=206)
А3	COORDINATE WORK WITH RELATED MAINTENANCE ACTIVITIES	74
A5	DETERMINE WORK PRIORITIES	74
C70		74
B47 E 125		69
-100	WORK DOCUMENT)	69
E 122 E 121	PREPARE AFTO FORMS 349 (MAINTENANCE DATA COLLECTION	67
-100	RECORD)	66
E133	ENG DATA, CALENDAR ITEM INSP AND DELAYED DISCREP	
	DOCUMENT	64
	OPERATE TOW VEHICLES	63
E131		CO
F100	AND MAINTENANCE DOCUMENT)	63
F180		
F210		62 62
F195		02
B25	COUNSEL PERSONNEL ON PERSONAL OR MILITARY-RELATED PROBLEMS	61
F222		01
F Z Z Z	COWLING ON HELICOPTERS	60
D82		60
F203		00
F 203	HELICOPTER FLIGHT CONTROL SYSTEMS	60
F168		00
1 100	HELICOPTERS	60
F199		59
E 132		33
L 102	FLIGHT)	58
F211		58
	IDENTIFY PRESENCE OF CORROSION ON HELICOPTERS	58
F 155	ADJUST TAIL ROTOR PITCH CONTROL LINKS ON H-3 OR H-53	•
	HELICOPTERS	57
F 183	INSPECT VICIBLE TURBINE BLADES	57
F179	INSPECT INSTRUMENT COVER GLASSES FOR SLIPPAGE OR	
	BREAKAGE	57
F200	OPERATE SERVICING AIR COMPRESSORS	57
F152	ADJUST AUTOROTATION ON H-3 OR H-53 HELICOPTERS	57
F154		57
F176		56
	SERVICE HELICOPTED HYDRAIN IC SYSTEMS	5.6

TABLE 12

REPRESENTATIVE TASKS PERFORMED BY 43170D PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=138)
A3	COORDINATE WORK WITH RELATED MAINTENANCE ACTIVITIES	83
G331	INSPECT FLIGHT CONTROL SYSTEMS ON H-1 HELICOPTERS	81
G338	INSPECT ROTOR SYSTEMS ON H-1 HELICOPTERS	80
G336	INSPECT LANDING GEAR ON H-1 HELICOPTERS	79
E 125	PREPARE AFTO FORMS 781A (MAINTENANCE DISCREPANCY AND	
	WORK DOCUMENT)	78
G335	INSPECT HYDRAULIC SYSTEMS ON H-1 HELICOPTERS	78
G33 9	INSPECT TAIL ROTOR RIGGING ON H-1 HELICOPTERS	76
G337	INSPECT MAIN ROTOR RIGGING ON H-1 HELICOPTERS	76
A5	DETERMINE WORK PRIORITIES	75
B25	COUNSEL PERSONNEL ON PERSONAL OR MILITARY-RELATED	
	PROBLEMS	75 75
C70		73
E133	PREPARE AFTO FORMS 781K (AEROSPACE VEHICLE INSPECTION,	
	ENG DATA, CALENDAR ITEM INSP AND DELAYED DISCREP	70
-101	DOCUMENT)	73
E131	PREPARE AFTO FORMS 781H (AEROSPACE VEHICLE FLIGHT	70
0251	STATUS AND MAINTENANCE DOCUMENT)	72 72
G351	JACK H-1 HELICOPTERS	72 71
E122		70
B51		70
E121	RECORD)	70
A16		70 70
F201		70 70
E132	PREPARE AFTO FORMS 781J (AEROSPACE VEHICLE-ENGINE	70
EIJZ	FLIGHT)	70
G308	ATTACH OR DETACH TOW BARS ON H-1 HELICOPTERS	70
G307	ATTACH OR DETACH GROUND HANDLING WHEELS ON H-1	, 0
4307	HELICOPTERS	69
L 1064	INSPECT TOOLS OR TOOL KITS	68
F203		
1 2.00	HELICOPTER FLIGHT CONTROL SYSTEMS	68
E98	COMPLETE STATUS TAGS FOR CONDITION OF PROPERTY	67
G353	LEVEL H-1 HELICOPTERS	67
D82	DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION	65
F222	REMOVE OR INSTALL AIRFRAME ACCESS PANELS, HATCHES, OR	
	COWLING ON HELICOPTERS	65
G533	TROUBLESHOOT MAIN ROTOR SYSTEMS ON H-1 HELICOPTERS	64
G507	TIE DOWN BLADES ON H-1 HELICOPTERS	64
G323	INSPECT BATTERIES ON H-1 HELICOPTERS	64
F173		64

TABLE 13

DISTRIBUTION OF DAFSC GROUP MEMBERS ACROSS MAJOR CAREER LADDER JOBS (PERCENT MEMBERS RESPONDING)

		C-SHRED		D-SHRED	
JOB GROUPS		43130/50 (N=357)	43170 (N=206)	43130/50 (N=264)	43170 (N=138)
Ι.	MAINTENANCE SUPERVISION AND MANAGEMENT PERSONNEL	8	31	6	36
II.	H-1 FLIGHTLINE MAINTENANCE PERSONNEL	*	0	92	63
III.	CH/HH-3 FLIGHTLINE MAINTENANCE PERSONNEL	42	34	0	0
IV.	CH/HH-53 FLIGHTLINE MAINTENANCE PERSONNEL	37	27	*	0
٧.	GROUND SUPPORT AND SERVICING PERSONNEL	4	0	0	0
VI.	UH-60A MAINTENANCE SPECIALIST	4	2	*	0
VII.	TOOL CRIB SPECIALISTS	1	*	0	0
PERCENT NOT GROUPED		3	5	1	1

^{*} Denotes less than .5 percent

15 September 1983. These descriptions are intended to give a broad overview of the duties and tasks performed by each skill level of the career ladder. These descriptions appeared complete and accurately reflected the range of duties and responsibilities of the career ladder at the time of the occupational survey.

ではないとと

ANALYSIS OF EXPERIENCE GROUPS

In this study, as in most others, an analysis of total active federal military service (TAFMS) groups is undertaken to provide a description of how the jobs and the perception of those jobs within a career ladder change over time. As is typical in most career ladders, as time in service and experience increase, there is a corresponding increase in performance of duties involving supervisory, managerial, and training tasks (see Table 14). Conversely, as time spent in supervisory and administrative duties increases, relative time on tasks in the maintenance areas generally declines.

Regardless of shred, the 1-48 months TAFMS groups spend 90 percent or more of their job time performing helicopter maintenance activities. The 49-96 months C- and D-Shred groups spend 25 and 22 percent of their job time, respectively, performing tasks outside of the direct maintenance arena. The remainder of the respondents, career airmen having over 97+ months in service, respectively, spend 44 and 39 percent of their time performing supervisory or administrative functions. While shifts in areas of responsibility are obvious and parallel changes discussed in earlier comments on DAFSC progression, it is also evident that career field incumbents primarily are maintenance oriented.

First-Enlistment Personnel

The 1-48 months (first-enlistment) personnel are the most relevant for examining ABR training programs; therefore, these incumbents are further highlighted to provide a foundation for examination of career field utilization and training. Figure 2 shows the distribution of first-enlistment personnel across the major jobs discussed earlier in this report. Of the 369 first-enlistment personnel in the study (38 percent of the total 431XOC/D sample), 90 percent were working in three large aircraft-unique maintenance groups. Small percentages are found in ground support or tool crib jobs.

Tables 15 and 16 list tasks performed by the greatest percentages of 431XOC and 431XOD first-enlistment personnel. Generally, these most common tasks involve servicing, lubricating, inspecting, or removing and installing, systems or systems components of assigned aircraft. In addition to tasks performed, training personnel are interested in special tools or equipment used by first-enlistment personnel. A comparison of such usage between C- and D-Shred incumbents indicates differences attributable to assigned aircraft uniqueness, e.g., rotor system or landing system. Table 17 lists examples of equipment used by either C- or D-Shred first-enlistment personnel. A more

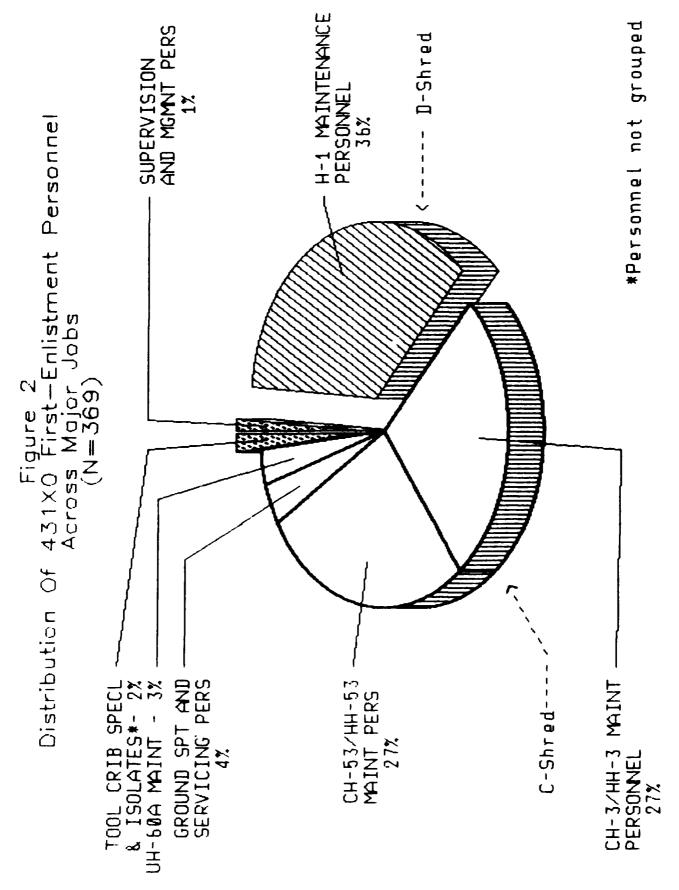


TABLE 14

TOTAL STATE OF THE STATE OF THE

RELATIVE TIME SPENT ON DUTIES BY 431XOC/D TAFMS EXPERIENCE GROUPS (PERCENT TIME SPENT)

		431X0C			431X0D	
DUTIES	1-48 (N=234)	49-96 (N=127)	97+ (N=202)	1-48 (N=135)	49-96 (N=132)	97+ (N=135)
İ						ē
_	_	4	6	*	4	<u>∞</u>
	*	4	6	, —	4	6
C INSPECTING AND EVALUATING	*	2	9	*	_	2
D TRAINING	_	m	2	*	2	4
E PERFORMING ADMINISTRATIVE AND SUPPLY			İ			}
FUNCTIONS	∞	12	15	7		13
F PERFORMING GENERAL HELICOPTER	4					
MAINTENANCE	6 3	33	23	52	21	91
G PERFORMING H-1 HELICOPTER MAINTENANCE		*	*	9	51	4
H PERFORMING H-53 HELICOPTER MAINTENANCE	202	92	12	1	*	¥
PERFORMING H-3 HELICOPTER MAINTENANCE		17	15	*	*	*
J PERFORMING H-60 HELICOPTER MAINTENANCE		ო	2	*	1	•
K PERFORMING FLYING-RELATED FUNCTIONS	_	_	_	2	2	<u>-</u>
L MAINTAINING TOOLS AND GROUND SUPPORT						
EQUIPMENT	4	S.	က	2	4	က

* Denotes less than .5 percent

TABLE 15

REPRESENTATIVE TASKS PERFORMED BY 431XOC FIRST-ENLISTMENT PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=234)
F165	CLEAN HELICOPTER SURFACES OR COMPARTMENTS	93
F271	SERVICE HELICOPTER TIRES	92
F222		
	COWLING ON HELICOPTERS	92
	SERVICE HELICOPTER HYDRAULIC SYSTEMS	91
	SERVICE HELICOPTER ENGINE OIL SYSTEMS	91
	OPERATE HELICOPTER INTERPHONE SYSTEMS	89
F168	SERVICE HELICOPTER HYDRAULIC SYSTEMS SERVICE HELICOPTER ENGINE OIL SYSTEMS OPERATE HELICOPTER INTERPHONE SYSTEMS CONNECT OR DISCONNECT EXTERNAL ELECTRICAL POWER TO HELICOPTERS INSPECT LANDING GEAR SYSTEMS ON H-3 OR H-53 HELICOPTERS	
	HELICOPTERS	88
F180	INSPECT LANDING GEAR SYSTEMS ON H-3 OR H-53 HELICOPTERS	
F 190	LUBRICATE MAIN ROTOR HEAD ON H-3 OR H-53 HELICOPTERS	87
	LUBRICATE AIRFRAME COMPONENTS ON HELICOPTERS	87
	OPERATE PORTABLE LIGHTING UNITS	87
	REMOVE OR INSTALL ELECTRICAL LIGHTING COMPONENTS OR BULBS	87
F248		
	HELICOPTERS	86
F220		
	HELICOPTERS	86
F225		86
F219	REFUEL HELICOPTERS USING PRESSURE PROCEDURE	85
E 125		85
F200		85
F234		85
F179		
	INSPECT VISIBLE TURBINE BLADES	83
F236		00
5050	NONJETTISONABLE WINDOWS	83
F258		00
E 3 0 1	ASSEMBLIES ON H-3, H-53, OR H-60 HELICOPTERS	82
E121	• • • • • • • • • • • • • • • • • • • •	00
-13 2	RECORD)	82
E 133	· · · · · · · · · · · · · · · · · · ·	
	ENG DATA, CALENDAR ITEM INSP AND DELAYED DISCREP	00
r 300	DOCUMENT)	82
F 189	LUBRICATE LANDING GEAR COMPONENTS ON H-3 OR H-53	00
r121	HELICOPTERS	82
E 131	PREPARE AFTO FORMS 781H (AEROSPACE VEHICLE FLIGHT STATUS	0.0
C 175	AND MAINTENANCE DOCUMENT)	82 91
F175 F155	IDENTIFY PRESENCE OF CORROSION ON HELICOPTERS	81
L 133	ADJUST TAIL ROTOR PITCH CONTROL LINKS ON H-3 OR H-53	70
	HELICOPTERS	79

TABLE 16

REPRESENTATIVE TASKS PERFORMED BY 431XOD FIRST-ENLISTMENT PERSONNEL

TASKS		MEMBERS PERFORMING (N=135)
G307	ATTACH OR DETACH GROUND HANDLING WHEELS ON H-1 HELICOPTERS ATTACH OR DETACH TOW BARS ON H-1 HELICOPTERS JACK H-1 HELICOPTERS TIE DOWN BLADES ON H-1 HELICOPTERS INSPECT LANDING GEAR ON H-1 HELICOPTERS LUBRICATE MAIN ROTOR HEAD ON H-1 HELICOPTERS REMOVE OR INSTALL BATTERIES ON H-1 HELICOPTERS REMOVE OR INSTALL HELICOPTER PASSENGER SEATS REMOVE OR INSTALL AIRFRAME ACCESS PANELS, HATCHES, OR COWLING ON HELICOPTERS CLEAN HELICOPTER SURFACES OR COMPARTMENTS LUBRICATE FLIGHT CONTROLS ON H-1 HELICOPTERS REMOVE OR INSTALL DOORS ON H-1 HELICOPTERS LAUNCH H-1 HELICOPTERS INSPECT ROTOR SYSTEMS ON H-1 HELICOPTERS LUBRICATE TAIL ROTOR ASSEMBLIES ON H-1 HELICOPTERS INSTALL MAIN ROTOR ASSEMBLIES ON H-1 HELICOPTERS REMOVE OR INSTALL MAIN ROTOR PITCH CONTROL RODS ON H-1 HELICOPTERS	
0200	HELICOPTERS	97
G308	ATTACH OR DETACH TOW BARS ON H-T HELICOPTERS	96
G351 G507	JACK M-1 MELICUPIEKS	95
G336	INCRECT LANDING COAD ON HIS HELICOPTERS	93
G355	INSPECT LANDING GEAR ON H-1 HELICUPTERS	93
G415	DEMOVE OF INSTALL PATTERIES ON U. 1 MELICOPTERS	93
F234	DEMOVE OF INSTALL DELICOPTED PASSENCED SEATS	93
F222	DEMOVE OF INSTALL RELICUPIER PASSENGER SEATS	93
1 222	CONTING ON HELICOPTEDS	02
F165	CLEAN HELICOPTED CHDEACES OD COMDADIMENTS	92
G354	LUBDICATE ELICUT CONTROLS ON U.1 HELICODTEDS	92
G426	DEMOVE OD INSTALL DOODS ON U. 1 DELICOPTERS	92
G352	I ALINCH HE I CONTERS	92
G338	INCRECT DOTOR SYSTEMS ON U_1 UELICORTERS	91
G356	I HIRDICATE TAIL DOTOD ACCEMBLIES ON H_1 HELICOPTEDS	90
G349	INSTALL MAIN POTOR ASSEMBLIES ON HET HELICOPTERS	90
G473	REMOVE OR INSTALL MAIN ROTOR PITCH CONTROL PODS ON H-1	30
U47 J	HELICOPTERS	90
G471	REMOVE OR INSTALL MAIN ROTOR READES ON H-1 HELICOPTERS	90
G474	REMOVE OR INSTALL MAIN ROTOR STABILIZER BAR ON H-1	30
•	HELICOPTERS	89
F168	REMOVE OR INSTALL MAIN ROTOR STABILIZER BAR ON H-1 HELICOPTERS CONNECT OR DISCONNECT EXTERNAL ELECTRICAL POWER TO HELICOPTERS INSPECT FLIGHT CONTROL SYSTEMS ON H-1 HELICOPTERS SERVICE HELICOPTER ENGINE OIL SYSTEMS INSTALL TAIL ROTOR ASSEMBLIES ON H-1 HELICOPTERS SERVICE MAIN ROTOR ASSEMBLIES ON H-1 HELICOPTERS	03
	HELICOPTERS	88
G331	INSPECT FLIGHT CONTROL SYSTEMS ON H-1 HELICOPTERS	88
F268	SERVICE HELICOPTER ENGINE OIL SYSTEMS	88
G350	INSTALL TAIL ROTOR ASSEMBLIES ON H-1 HELICOPTERS	88
G503	SERVICE MAIN ROTOR ASSEMBLIES ON H-1 HELICOPTERS	87
G410	REMOVE MAIN ROTOR ASSEMBLIES FROM H-1 HELICOPTERS	87
G486	REMOVE OR INSTALL TAIL ROTOR BLADES ON H-1 HELICOPTERS	87
G293	REMOVE MAIN ROTOR ASSEMBLIES FROM H-1 HELICOPTERS REMOVE OR INSTALL TAIL ROTOR BLADES ON H-1 HELICOPTERS ADJUST DOOR OR WINDOW LATCH MECHANISMS ON H-1 HELICOPTERS	87
F269	SERVICE HELICOPTER HYDRAULIC SYSTEMS	86
E125	PREPARE AFTO FORMS 781A (MAINTENANCE DISCREPANCY AND WORK	
	DOCUMENT)	85
E121	PREPARE AFTO FORMS 349 (MAINTENANCE DATA COLLECTION	
	RECORD)	85
E133		
	ENG DATA, CALENDAR ITEM INSP AND DELAYED DISCREP	
	DOCUMENT)	85
F 187	LUBRICATE AIRERAME COMPONENTS ON HELICOPTERS	85

TABLE 17

EXAMPLES OF EQUIPMENT USED BY 431XOC/D FIRST-ENLISTMENT PERSONNEL

	PERCENT RESPONDI	
TOOLS AND SPECIAL EQUIPMENT	431X0C (N=234)	431X0D (N=135)
DAMPER WRENCHES	74	14
DEPTH GAUGES	47	67
GROUND HANDLING WHEELS	15	96
MAIN ROTOR BLADE CHECK AND FILL UNITS	82	20
MAIN ROTOR DAMPER SERVICING UNITS	71	29
NITROGEN REGULATORS	63	7
PROPELLER PROTRACTORS	55	62
RIGGING SETS	88	35
ROTOR BALANCE EQUIPMENT	43	88
TENSIOMETERS	83	73
TIRE SERVICING KITS	92	54
TRACKING FLAGS	48	52
VIBREX EQUIPMENT	80	90
AIRCRAFT SUPPORT EQUIPMENT		
MC-1 AIR-COMPRESSORS	49	20
MC-1A AIR COMPRESSORS	61	20
MC-2A AIR COMPRESSORS	43	28
MD3 AUXILIARY ELECTRICAL POWER UNITS	84	87
NF-2 AUXILIARY ELECTRICAL POWER UNITS	68	38
HYDRAULIC SERVICING CARTS	85	37
NITROGEN SERVICING CARTS	84	8
BT-400 PORTABLE GROUND HEATER AND	4.5	4.5
BLOWER	41	42
COLEMAN TRACTORS	52	14
INDUSTRIAL WAREHOUSE TUGS	28	67
HOBURT ELECTRICAL POWER UNITS	42	11

extensive list of equipment used can be found in the TRAINING EXTRACT accompanying this report.

Job Satisfaction Data

たいこと とうじょう こうしん こうかん こうしょう こうしょう

Tables 18 and 19 present data reflecting job interest, perceived utilization of talents and training, and reenlistment intentions of first-enlistment, second-enlistment, and career personnel for each of the Helicopter Mechanic Shreds. Data are presented along with comparative sample data for personnel from all mission equipment maintenance career ladders surveyed in 1985. When compared to the comparative sample, both C- and D-Shred personnel in all TAFMS groups generally have higher job satisfaction indicators. Job interest and perceived utilization of training are substantially higher for first- and second-enlistment groups of both 431XO shreds. Finally, career personnel (97+ months TAFMS) in this career ladder are the most similar to their comparative sample.

TRAINING ANALYSIS

Occupational survey data are one of the many sources of information which can be used to assist training managers in the development of training programs relevant to the needs of personnel working in their first assignments in a career ladder. Factors which may be used to evaluate training are, primarily, the percent first-job (1-24 months TAFMS) or first-enlistment (1-48 months TAFMS) members performing tasks, and secondarily, considerations such as training emphasis (TE) and task difficulty (TD) ratings, mission criticality of tasks, or availability of training equipment or instructors. Percent members performing (PMP) 431XOC/D tasks, and TE and TD factors were used in evaluating the two Specialty Training Standards (STS) and the two Plans of Instruction (POI) for the 431XOC/D career ladder. Training personnel from the 3700 Technical Training Wing, Sheppard Air Force Base, Texas, matched inventory tasks to appropriate sections of the POIs and STSs. It was this matching upon which comparisons were based. A complete computer listing displaying the percent members performing, TE ratings, and TDratings for each task statement, along with POI and STS matchings, was forwarded to the school for their use in any further detailed review of training documents. A summary of that information is described below.

Training Emphasis and Task Difficulty Data

As discussed in the <u>Task Factor Administration</u> section, TE and TD data can be used to provide information on training needs as perceived by experienced technicians within the specialty. This information, when used in support of percent members performing, can aid training managers in determining if STS or POI adjustments or revisions are needed.

Because the TE and TD ratings are the composite opinion of experienced career ladder personnel on training for a 1-48 months TAFMS person, such data

TABLE 18

BOACH BURGOLOUS BURGOLOUS CONTRACTOR BURGOLOUS

COMPARISON OF JOB SATISFACTION INFORMATION FOR 431XOC TAFMS GROUPS (PERCENT MEMBERS RESPONDING)

	1-48 MON	1-48 MONTHS TAFMS	49-96 MO	49-96 MONTHS TAFMS	97+ MONTHS TAFMS	HS TAFMS
	431X0C (N=234)	COMPARATIVE SAMPLE (N=2,321)	431X0C (N=127)	COMPARATIVE SAMPLE (N=1,118)	431X0C (N=202)	COMPARATIVE SAMPLE (N=1,593)
HOW DO YOU FIND YOUR JOB:						
INTERESTING SO-SO DULL	© ⊏ °	61 22 16	⊕ 4	68 19 12	75 15 8	73 14 11
HOW WELL DOES YOUR JOB UTILIZE YOUR TALENTS:						
FAIRLY WELL TO PERFECTLY VERY LITTLE OR NOT AT ALL	@ 2	72 28	87 13	86 14	83	80 19
HOW WELL DOES YOUR JOB UTILIZE YOUR TRAINING:						
FAIRLY WELL TO PERFECTLY VERY LITTLE OR NOT AT ALL	® °	84 16	<u>@</u> 2	82 18	83 16	80 20
DO YOU PLAN TO REENLIST:						
YES, OR PROBABLY YES NO OR PROBABLY NO NO, WILL PROBABLY RETIRE	58 -	57 40 -	<u></u>	73 26 -	73 5 20	74 10 15

^{*} Columns may not add to 100 percent due to no response or rounding

Comparative sample includes all Mission Equipment Maintenance career ladders surveyed in 1985 (AFSCs include 303X2, 411X1, 423X3, 427X4, 463X0) NOTE:

TABLE 19

TO SEE THE PROPERTY OF THE PRO

COMPARISON OF JOB SATISFACTION INFORMATION FOR 431XOD TAFMS GROUPS (PERCENT MEMBERS RESPONDING)

	1-48 MON	-48 MONTHS TAFMS	49-96 MO	49-96 MONTHS TAFMS	97+ MONT	97+ MONTHS TAFMS
	431X0D (N=135)	COMPARATIVE SAMPLE (N=2,321)	431X0D (N=132)	COMPARATIVE SAMPLE (N=1,118)	431X0D (N=135)	COMPARATIVE SAMPLE (N=1,593)
HOW DO YOU FIND YOUR JOB:						
INTERESTING SO-SO DULL	© ∞	61 22 16	©C 2	68 19 12	73 20 6	73 14 11
HOW WELL DOES YOUR JOB UTILIZE YOUR TALENTS:						
FAIRLY WELL TO PERFECTLY VERY LITTLE OR NOT AT ALL	© º	72 28	⊚ 2	78 21	81 18	80 19
HOW WELL DOES YOUR JOB UTILIZE YOUR TRAINING:						
FAIRLY WELL TO PERFECTLY VERY LITTLE OR NOT AT ALL	@ ₹	84 16	6	82 18	84 14	80 20
DO YOU PLAN TO REENLIST:						
YES, OR PROBABLY YES NO OR PROBABLY NO NO, WILL PROBABLY RETIRE	60 40	57 40	23	73 26 -	79 10 11	74 10 15

^{*} Columns may not add to 100 percent due to no response or rounding

Comparative sample includes all Mission Equipment Maintenance career ladders surveyed in 1985 (AFSCs include 303X2, 411X1, 423X3, 427X4, 463X0) NOTE:

can assist training developers in deciding what tasks should be emphasized in entry-level training. Tasks receiving high ratings on both task factors accompanied by moderate to high personnel performing percentages, may warrant resident training. Those tasks receiving high task factor ratings, but low personnel performing percentages, may be more appropriately planned for OJT programs within the career ladder. Low task factor ratings may highlight tasks best left out of training for new 431XO personnel, but this decision must be weighed against percent performing data, command concerns, and criticality of the task to readiness, contingency planning, or safety programs.

Training Documents

STS 431XOC. A comprehensive review of STS 431XOC, dated March 1984, compared STS items to survey data. STS paragraphs containing general information or subject-matter-knowledge requirements were not evaluated. Overall, the technical elements of the STS with tasks referenced to them were well supported in terms of being performed by substantial percentages of 431XOC reference groups. All but a few elements were performed by at least 20 percent of the respondents in their first enlistment or at the 5- or 7-skill levels. Technical elements which reflected low percent members performing (less than 20 percent) or which were without matched tasks are listed in Table 20. These elements should be reviewed by career ladder managers to determine the appropriateness of their inclusion in the STS. These elements may not have been matched because inventory tasks relative to that item were unclear or omitted. If tasks are unclear or were omitted, subject-matter specialists are requested to draft the necessary task statements and forward them to USAFOMC/OMYV for inclusion in the next inventory constructed for this career ladder.

A number of job inventory tasks were not referenced to STS elements. For the most part, these tasks not referenced involved supervision and management duties. There were, however, several tasks pertaining to general helicopter maintenance or maintenance common to both H-3 and H-53 aircraft which were performed by more than 20 percent of the personnel in any of the referenced groups. Some examples of these "not referenced" tasks are listed in Table 21. Such tasks should be covered by some existing element or a new item should be added to the STS.

POI 3ABR43130C. Based on previously mentioned assistance from technical school personnel in matching inventory tasks to the 3ABR43130C POI, dated 10 July 1984, a computer product was generated, displaying the results of the matching process. Information furnished for consideration includes percent members performing data for first-job (1-24 months TAFMS) and first-enlistment personnel, and secondary factor TE and TD ratings.

Generally, POI blocks and objectives were well supported by survey data, based on percentages of personnel performing tasks or with considerations given to TE or TD ratings of matched tasks. Block V, Unit 2, pertaining to the removal and installation of flight control components, was an exception. Objectives accounting for 7 of the 16 hours allocated to this unit were not supported by referenced tasks. These objectives correlate to STS elements

TABLE 20

LOW PERFORMANCE OR UNREFERENCED 431XOC STS ELEMENTS (EXCLUDING KNOWLEDGE-ONLY ELEMENTS)

STS ELEMENTS		PERCENT PERFORMING*
10f	LOAD HELICOPTER ON TRANSPORT VEHICLES	13
10 i	ASSIST IN WEIGHT AND BALANCE FUNCTIONS	10
14c(8)/14d(8)	REMOVE/INSTALL CENTERING CYLINDERS	NO MATCH
14c(9)/14d(9)	REMOVE/INSTALL QUADRANTS	NO MATCH
14c(10/14d(10)	REMOVE/INSTALL CABLES	NO MATCH
22d(2)	ADJUST APU FUEL CONTROLS	15

^{*} Percent shown is the highest percent reported for a task matched to the STS element

TABLE 21

EXAMPLES OF TASKS NOT REFERENCED TO STS PERFORMED BY 431XOC PERSONNEL (OVER 20 PERCENT MEMBERS PERFORMING)

+07081		FIRST ENLISTMENT	DAFSC 43150C	DAFSC 43170C
ACK.		(N=234)	(N=293)	(N=700)
F226	REMOVE OR INSTALL ELECTRICAL LIGHTING COMPONENTS OR BULBS	87	81	51
F202	PACK OR UNPACK HELICOPTER COMPONENTS OR ASSEMBLIES	69	89	51
F247	REMOVE OR INSTALL MAIN ROTOR BLADE TIP CAPS	65	99	46
F227	REMOVE OR INSTALL ELECTRICAL OR LIGHTING SYSTEM PANELS ON			
	H-3 OR H-53 HELICOPTERS	47	52	40
F237	REMOVE OR INSTALL HYDRAULIC HEAT EXCHANGERS ON H-3 OR H-53			
	HELICOPTERS	42	45	33
F256	REMOVE OR INSTALL SUPERVISORY PANELS ON H-3 OR H-53			
	HELICOPTERS	37	43	35
F229	REMOVE OR INSTALL ENGINE HOSES, TUBING, OR ELECTRICAL			
	CONNECTORS	37	42	30
1720	INSPECT TRANSMISSION DRIVE SYSTEMS ON H-3 HELICOPTERS	37	41	38
1704	BLEED WHEEL BRAKE SYSTEMS ON H-3 HELICOPTERS	36	38	24
F290	WEIGH HELICOPTERS	36	37	53
1722	INSTALL ENGINES ON H-3 HELICOPTERS	24	28	19

* Tasks are listed in descending order of performance by DAFSC 43150C personnel

pertaining to flight control component removal and installation listed in Table 20 as not supported, i.e., STS elements 14c(8)(9)(10) and 14d(8)(9)(10). Survey data reflect a review of training relating to flight control system components appears appropriate.

A review of tasks not referenced to the POI identified over 90 tasks performed by more than 30 percent of the first-enlistment 431XOC personnel. Fifty-three of these tasks had high TE ratings, indicating some form of structured training for first-enlistment personnel is appropriate. Table 22 lists several of these tasks. Some tasks received below average TD ratings, so they may not be good items for basic resident training. Additionally, certain of these nonreferenced tasks may not be suitable for entry-level training due to limited availability of training resources, such as instructor personnel, maintenance simulators, or training airframes. Nevertheless, personnel responsible for training should review the entire list of nonreferenced tasks found in the Training Extract accompanying this report to determine what training revisions are necessary.

STS 431XOD. Data indicate the 431XOD STS is well supported by percentages of personnel performing tasks matched to STS elements. Only two elements require review due to limited performance or nonreferenced tasks (see Table 23).

As was the case on the C-Shred STS, several tasks were not referenced to the D-Shred STS, where performance was greater than 20 percent in any one of the experience or DAFSC reference groups. Table 24 lists examples of these unmatched tasks. Functional and training managers should note those tasks relating to removal and installation of power plants and related systems when reviewing the entire list of tasks not referenced. The current STS limits power plant task performance to servicing, troubleshooting, cleaning, and rigging.

POI 3ABR43130D. In general, survey data are supportive of course objectives for POI 3ABR43130D, dated 27 July 1984. Only in objective II2D, relating to operational checks of utility hydraulic systems, did data reflect less than 30 percent performance by first-enlistment personnel. There were 75 tasks not matched to the POI performed by 30 percent or more of the first-enlistment personnel with 39 of those tasks having a high TE rating. Table 25 lists several examples of those tasks. Managers should again note those not-referenced tasks pertaining to power plants and related systems to determine what impact they might have on ABR training.

Summary

This assessment of 431XO STS and POI revealed, for the most part, that those training documents appeared adequate as written. Those tasks not matched to documents, particularly to the POI, could indicate overlooked matches or a problem suggesting refinements or modifications are needed. Survey data, including training extracts, should be reviewed by training managers to determine what changes may be needed to enhance the effectiveness of training.

TABLE 22

STATES TO STATE AND ADDRESS OF THE STATES OF

EXAMPLES OF TASKS NOT REFERENCED TO POI 3ABR43130C WITH PROBABILITY OF FIRST-ENLISTMENT PERFORMANCE GREATER THAN 30 PERCENT

	PERCENT MEMBERS PERFORMING	MEMBERS NG		
TASKS	FIRST JOB (N=121)	FIRST ENL (N=234)	TNG	TASK DIFF**
F172 DRAIN FUEL SUMPS ON H-3 OR H-53 HELICOPTERS	56	89	4.92	3.03
F225 REMOVE OR INSTALL CHIP DETECTORS	85	98	4.92	3.68
	69	78	4.72	3.11
1811 RIG MAIN ROTOR FLIGHT CONTROLS ON H-3 HELICOPTERS	33	35	4.54	6.86
1812 RIG TAIL ROTOR FLIGHT CONTROLS ON H-3 HELICOPTERS	36	39	4.24	6.63
	4 ا	26	4.16	6.31
H661 RIG MAIN ROTOR FLIGHT CONTROLS ON H-53 HELICOPTERS	27	35	3.98	7.04
INSTALL TAIL ROTOR ASSEMI	3]	38	3.96	60.9
OPERATE PORTABLE HYDRAULI	40	39	3.90	5.70
F247 REMOVE OR INSTALL MAIN ROTOR BLADE TIP CAPS	22	6 2	3.88	3.54
H639 REMOVE OR INSTALL MAIN GEARBOXES ON H-53 HELICOPTERS	3]	37	3.84	6.63
LATING	47	26	3.60	4.67

* MEAN TE = 1.54, SD = 1.55 ** MEAN TD = 5.00, SD = 1.00

TABLE 23

LOW PERFORMANCE OR UNREFERENCED 431XOD STS ELEMENTS (EXCLUDING KNOWLEDGE-ONLY ELEMENTS)

STS ELEMENTS		PERCENT PERFORMING*
16b(4)	ADJUST (TAIL ROTOR) GRIP SPACING	NO MATCH
17b(2)	PERFORM OPERATIONAL CHECK OF (HYDRAULIC) UTILITY SYSTEMS	15

^{*} Percent shown in the highest percent reported for a task matched to the STS element

TABLE 24

SOURCE CONTRACT CONTRACTOR SOURCE

EXAMPLES OF TASKS NOT REFERENCED TO STS PERFORMED BY 431XOD PERSONNEL (OVER 20 PERCENT MEMBERS PERFORMING)

TASKS*	*	FIRST ENLISTMENT (N=135)	DAFSC 43150C (N=225)	DAFSC 43170C (N=138)
6319	G319 CONNECT OR DISCONNECT ENGINE CONTROLS ON H-1 HELICOPTERS	58	92	51
F233	REMOVE OR INSTALL HELICOPTER ENGINE OIL FILTERS	59	54	38
G528 G310	TROUBLESHOOT INSTRUMENT SYSTEMS ON H-1 HELICOPTERS BALANCE MAIN ROTOR HUB ON H-1 HELICOPTERS USING STATIC	37	46	44
		28	65	51
6409	REMOVE ENGINES ON H-1N HELICOPTERS	39	40	82
G348	INSTALL ENGINES ON H-1N HELICOPTERS	37	40	59
6451	REMOVE OR INSTALL EXTERNAL ENGINE OIL SYSTEM COMPONENTS ON H-IN HELICOPTERS	34	40	26
6433	REMOVE OR INSTALL ENGINE CONTROL SYSTEM COMPONENTS ON H-1N HELICOPTERS	32	37	25
G456 F217	REMOVE OR INSTALL FUEL CELLS ON H-1H/N HELICOPTERS REFUEL HELICOPTERS USING CLOSED CIRCUIT PROCEDURE	35	35 33	27 20

* Tasks are listed in descending order of performance by DAFSC 43150D personnel

TABLE 25

EXAMPLES OF TASKS NOT REFERENCED TO POI 3ABR43130D WITH PROBABILITY OF FIRST-ENLISTMENT PERFORMANCE GREATER THAN 30 PERCENT

PERCENT MEMBERS

		PERFORMING	9.0		
		FIRST	FIRST		
		J0B	ENL	1NG	TASK
TASKS		(N=58)	(N=135)	EMP*	DIFF**
6309	BALANCE MAIN ROTOR ASSEMBLY ON H-1 HELICOPTERS USING DYNAMIC				
	METHOD	33	20	6.46	6.20
6349	INSTALL MAIN ROTOR ASSEMBLIES ON H-1 HELICOPTERS	86	06	6.39	5,19
6533	TROUBLESHOOT MAIN ROTOR SYSTEMS ON H-1 HELICOPTERS	43	59	5.56	6.3]
6518	TROUBLESHOOT FLIGHT CONTROL SYSTEMS ON H-1 HELICOPTERS	38	26	4.98	6.47
6454	REMOVE OR INSTALL FUEL BOOST PUMPS ON H-1 HELICOPTERS	41	57	4.54	5.32
6348	INSTALL ENGINES ON H-1N HELICOPTERS	22	37	4.34	7.17
6453	REMOVE OR INSTALL EXTERNAL TRANSMISSION OIL FILTERS ON H-1			•	: •
	HELICOPTERS	29	69	4.19	4.05
F225	REMOVE OR INSTALL CHIP DETECTORS	74	78	3.36	3.68
6536	TROUBLESHOOT ROTOR BRAKES ON H-1 HELICOPTERS	35	49	3.34	4.47
F233	REMOVE OR INSTALL HELICOPTER ENGINE OIL FILTERS	25	29	3.25	4.17

* MEAN TE = 1.44, SD = 1.85 ** MEAN TD = 5.00, SD = 1.00

OTHER CONSIDERATIONS

Major Command (MAJCOM) Comparisons

The background data and duties performed by personnel in the three MAJCOMs with significant populations of 431XO personnel--MAC, TAC, and AFSC--were compared to determine if job content varied as a function of MAJCOM assignment. One of the major reasons for such a comparison is to detect differences across MAJCOMs that might affect structured training programs. Table 26 compares duty differences across the three MAJCOM groups, while Table 27 reflects the percentage of MAJCOM personnel performing maintenance by aircraft type. A comparison of data in these tables indicates MAJCOM differences are a function of assigned aircraft.

CONUS/Overseas Comparisons

Comparisons were also made of background data and tasks performed by 5-skill level personnel assigned within the continental United States (CONUS) and overseas locations. Five-skill level personnel in the CONUS number 357, while those overseas totaled 159. The average number of tasks performed by these group members were 194 for the CONUS group and 185 for the overseas incumbents. The two groups are nearly equal in all job satisfaction indicators, with favorable reenlistment intentions a little better for the overseas group (74 percent versus 67 percent planning to reenlist). Table 28 compares duty differences between these groups which reflect the assigned aircraft differences shown in Table 29.

Comparison to Previous Survey

The results of this 431XOC/D survey were compared to those of the previous Occupational Survey Report, AFPT 90-431-288, dated 30 November 1977. This comparison may help to identify changes in the career ladder due to new missions, new equipment, changing management policies, etc. Generally, the two surveys reported consistent findings, with differences appearing in the following areas.

A review of the 431XOC/D career ladder structure (specialty jobs) reveals two easily explained changes have occurred in the last 8 years. Table 30 lists the major jobs identified in the respective surveys. The current survey identified a relatively small, but new, job--JH-60A Maintenance Specialist. The H-60 helicopter is a recent addition to the Air Force inventory and, at the time of the survey was assigned to a single installation. The second change noted is the absence of the Flight Mechanic job in the 1985 survey. Twelve percent of the 1977 survey sample was identified as Flight Mechanics--personnel performing primarily inflight duties, such as monitoring in-flight operation of aircraft systems, briefing passengers, and preflighting aircraft. A 1979 classification change moved the flight mechanic duties out of the 431XO career ladder to the Flight Engineer (Helicopter Qualified) career ladder (AFSC 113XOB).

TABLE 26

RELATIVE TIME SPENT ON DUTIES BY 431XOC/D MAJCOM GROUPS (PERCENT TIME SPENT)

			MAJCOM	
DU	TIES	MAC (N=747)	TAC (N=96)	AFSC (N=76)
Α	ORGANIZING AND PLANNING	4	5	4
В	DIRECTING AND IMPLEMENTING	4	4	3
С	INSPECTING AND EVALUATING	3	2	2
D	TRAINING	2	2	2
Ε	PERFORMING ADMINISTRATIVE AND SUPPLY FUNCTIONS	11	12	10
F	PERFORMING GENERAL HELICOPTER MAINTENANCE	28	23	35
G	PERFORMING H-1 HELICOPTER MAINTENANCE	21	(42)	_9
Н	PERFORMING H-53 HELICOPTER MAINTENANCE	8	ð	ġ
I	PERFORMING H-3 HELICOPTER MAINTENANCE	(12)	6	<u>*</u>
J	PERFORMING H-60 HELICOPTER MAINTENANCE	2	*	1
Κ	PERFORMING FLYING-RELATED FUNCTIONS	1	1	*
L	MAINTAINING TOOLS AND GROUND SUPPORT			
	EQUIPMENT	4	3	5

^{*} Denotes less than .5 percent

TABLE 27

COMPARISON OF AIRCRAFT MAINTAINED BY 431XOC/D MAJCOM GROUPS (PERCENT MEMBERS RESPONDING)

		MAJCOMS	
AIRCRAFT	MAC	TAC	AFSC
MAINTAINED	(N=747)	(N=96)	(N=76)
CH-3	29	17	4
HH-3	29	1	7
СН-53	9	2 2	16
НН-53	24		66
TH-1F	12	14	3
UH-1F	9	26	1
HH-1H	11	5	7
UH-1N	27	41	7
UH-1P	0	32	0
มห-60A มห-60D	4	0	0

TABLE 28

RELATIVE TIME SPENT ON DUTIES BY DAFSC 43150C/D CONUS
AND OVERSEAS PERSONNEL
(PERCENT TIME SPENT)

DU	TIES	CONUS MEMBERS (N=357)	OVERSEAS MEMBERS (N=159)
Α	ORGANIZING AND PLANNING	2	2
В	DIRECTING AND IMPLEMENTING	2	3
С	INSPECTING AND EVALUATING	1	1
D	TRAINING	2	2
Ε	PERFORMING ADMINISTRATIVE AND SUPPLY		
	FUNCTIONS	10	11
F	PERFORMING GENERAL HELICOPTER MAINTENANCE	29	34
G	PERFORMING H-1 HELICOPTER MAINTENANCE	(3)	11
Н	PERFORMING H-53 HELICOPTER MAINTENANCE	Ħ	8
I	PERFORMING H-3 HELICOPTER MAINTENANCE	7	23
J	PERFORMING H-60 HELICOPTER MAINTENANCE	1	Ŏ
Κ	PERFORMING FLYING-RELATED FUNCTIONS	1	1
Ĺ	MAINTAINING TOOLS AND GROUND SUPPORT		
	EQUIPMENT	3	5

^{*} Denotes less than .5 percent

TABLE 29

COMPARISON OF AIRCRAFT MAINTAINED BY
5-SKILL LEVEL CONUS AND OVERSEAS GROUPS
(PERCENT MEMBERS RESPONDING)

	DAFSC 4	DAFSC_43150C/D	
AIRCRAFT	CONUS	OVERSEAS	
MAINTAINED	(N=357)	(N=159)	
CH-3	17	45	
HH-3	13	54	
CH-53	10	11	
HH-53	26	26	
TH-1F	16	2	
UH-1F	13	2	
HH-1H	10	4	
UH-1N	33	16	
UH-1P	5	1	
UH-60A	3	0	
UH-60D	0	0	

TABLE 30

COMPARISON OF MAJOR JOBS IDENTIFIED IN THE 1977 AND 1985 SURVEYS

	PERCENT C	F SAMPLE
MAJOR JOBS	<u>1977</u>	<u>1985</u>
MAINTENANCE SUPERVISION AND MANAGEMENT/SUPPORT SUPPORT GROUPS FLIGHT MECHANICS H-1 MAINTENANCE PERSONNEL	14 12 28	18 * 35
CH/HH-3 MAINTENANCE PERSONNEL	17	23
CH/HH-53 MAINTENANCE PERSONNEL	16	20
UH-60A MAINTENANCE SPECIALISTS	*	2
PERSONNEL NOT GROUPED	12	3

^{*} Not identified in survey

Job satisfaction data were reviewed for both 1977 and 1985 first-enlistment groups (see Table 31). In 1985, personnel in both the C- and D-Shred groups expressed much higher job satisfaction than in 1977. Especially noteworthy are the increases in perceived utilization of training and reenlistment intentions.

IMPLICATIONS

The jobs of Helicopter Mechanics, as defined by survey data, appear to remain very much the same, regardless of the type of aircraft to which they are assigned. Whether these personnel are flightline mechanics, crew chiefs, maintenance controllers, or NCOICs, the activities they perform are basically the same, regardless of the aircraft they maintain or support. Aircraft systems are generally common across aircraft, with rotor and landing systems the obvious differences. In short, occupational survey data support the impending classification change which does away with shreds for this specialty.

A new Specialty Training Standard to effect the classification change deleting the C- and D-Shreds is currently being developed with the development of a single basic resident course POI to follow. Analysis of the current STS and POI indicates these documents are good foundations for the above development efforts. Survey data, including TRAINING EXTRACT printouts, should be used in writing, editing, and coordinating the training documents.

TABLE 31

COMPARISON OF JOB SATISFACTION DATA FOR 431XOC AND 431XOD FIRST-ENLISTMENT PERSONNEL IN THE 1977 AND 1985 SURVEYS

	FIRST ENLISTMENT	(1-48 MONTHS TAFMS)
	DAFSC 431X0C	DAFSC 431X0D
	<u>1977</u> <u>1985</u>	1977 1985
FIND JOB INTERESTING	72 83	75 88
TALENTS USED AT LEAST FAIRLY WELL	82 88	80 90
TRAINING USED AT LEAST FAIRLY WELL	85 92	87 96
PLAN TO REENLIST	38 55	40 60

APPENDIX A

REPRESENTATIVE TASKS

AND

SELECTED BACKGROUND DATA FOR CAREER LADDER STRUCTURE GROUPS

GROUP ID NUMBER AND TITLE: GRP007, HELICOPTER MAINTENANCE SUPERVISION

AND MANAGEMENT PERSONNEL CLUSTER

NUMBER IN GROUP: 157 PERCENT OF SAMPLE: 16%

MAJCOM DISTRIBUTION: MAC (73%), TAC (11%), AFSC (5%)

LOCATION: CONUS (72%), OVERSEAS (28%)

DAFSC DISTRIBUTION: 43170C (41%), 43150C (18%), 43170D (31%), 43150D (10%) AVERAGE GRADE: E-6 AVERAGE MONTHS IN SERVICE: 162

		PERCENT
		MEMBERS
GROUP	DIFFERENTIATING TASKS	PERFORMING
А3	COORDINATE WORK WITH RELATED MAINTENANCE ACTIVITIES DETERMINE WORK PRIORITIES PLAN MAINTENANCE OR INSPECTIONS OF HELICOPTER INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR	74
A5	DETERMINE WORK PRIORITIES	71
A 16	PLAN MAINTENANCE OR INSPECTIONS OF HELICOPTER	51
B43	INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR	
	SUBORDINATES	51
B25		
D82	DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION	50
C70	PREPARE APR	49
C70 A74	DETERMINE REQUIREMENTS FOR SPACE, PERSONNEL, EQUIPMENT, OR	
	SUPPLIES	47
	ASSIGN PERSONNEL TO DUTY POSITIONS	45
All	ESTABLISH ORGANIZATIONAL POLICIES, MAINTENANCE OPERATING INSTRUCTIONS (MOI), OR STANDING OPERATING PROCEDURES (SOP)	4.0
		43
E 100		43
C71		42
050	IMPROVEMENT REPORT AND REPLY)	43
C58		42 41
C56	EVALUATE COMPLIANCE WITH PERFORMANCE STANDARDS	• •
B26	DIRECT DEVELOPMENT OR MAINTENANCE OF STATUS BOARDS, GRAPHS, OR CHARTS	38
E121	PREPARE AFTO FORMS 349 (MAINTENANCE DATA COLLECTION RECORD)	
F110	DDEDADE AFTO FORMS 22 (TECHNICAL ORDER SYSTEM PURLICATION	
LIIJ	IMPROVEMENT REPORT AND REPLY)	38
A23	SCHEDULE LEAVES OR PASSES	38
E 144	REQUEST AIRCRAFT SUPPORT EQUIPMENT SUPPORT	37
E 147	SCHEDULE HELICOPTER MAINTENANCE	37
B33	DIRECT SPECIAL INSPECTIONS	37
A 19	PLAN WORK ASSIGNMENTS	37
A12	ESTABLISH PERFORMANCE STANDARDS FOR SUBORDINATES	37
Α9	DEVELOP WORK METHODS OR PROCEDURES	36
B29	DIRECT FLIGHTLINE MAINTENANCE	36
C68	ESTABLISH PERFORMANCE STANDARDS FOR SUBORDINATES DEVELOP WORK METHODS OR PROCEDURES DIRECT FLIGHTLINE MAINTENANCE INDORSE AIRMAN PERFORMANCE REPORTS (APR)	36
レラム	MAINTAIN TRAINING RECORDS, CHARTS, OR GRAPHS	35
A14	IMPROVEMENT REPORT AND REPLY) SCHEDULE LEAVES OR PASSES REQUEST AIRCRAFT SUPPORT EQUIPMENT SUPPORT SCHEDULE HELICOPTER MAINTENANCE DIRECT SPECIAL INSPECTIONS PLAN WORK ASSIGNMENTS ESTABLISH PERFORMANCE STANDARDS FOR SUBORDINATES DEVELOP WORK METHODS OR PROCEDURES DIRECT FLIGHTLINE MAINTENANCE INDORSE AIRMAN PERFORMANCE REPORTS (APR) MAINTAIN TRAINING RECORDS, CHARTS, OR GRAPHS PLAN BRIEFINGS ASSIGN SPONSORS FOR NEWLY ASSIGNED PERSONNEL MAINTAIN DAILY STATUS REPORTS MAINTAIN TO FILES	35
A2	ASSIGN SPONSORS FOR NEWLY ASSIGNED PERSONNEL MAINTAIN DAILY STATUS REPORTS	35
	MAINTAIN DAILY STATUS REPORTS	34
E110	MAINTAIN TO FILES	34

GROUP ID NUMBER AND TITLE: GRPO17, TRAINING PERSONNEL

NUMBER IN GROUP: 13 PERCENT OF CLUSTER: 8%

MAJCOM DISTRIBUTION: MAC (62%), ATC (31%), TAC (7%)

LOCATION: CONUS (85%), OVERSEAS (15%)
DAFSC DISTRIBUTION: 43170C (46%), 43150C (23%), 43170D (15%), 43150D (15%)
AVERAGE MONTHS IN SERVICE: 131

	SCORE TESTS ADMINISTER TESTS EVALUATE TRAINING METHODS OR TECHNIQUES COUNSEL TRAINES ON TRAINING PROGRESS MAINTAIN TRAINING RECORDS, CHARTS, OR GRAPHS PROCURE TRAINING AIDS, SPACE, OR EQUIPMENT DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION DIRECT OR IMPLEMENT TRAINING PROGRAMS OTHER THAN OJT COORDINATE WORK WITH RELATED MAINTENANCE ACTIVITIES DETERMINE RESIDENT COURSE TRAINING REQUIREMENTS WRITE TRAINING REPORTS CONDUCT RESIDENT COURSE CLASSROOM TRAINING WRITE TEST QUESTIONS COUNSEL PERSONNEL ON PERSONAL OR MILITARY-RELATED PROBLEMS	PERCENT MEMBERS
GROUP	DIFFERENTIATING TASKS	PERFORMING
D95	SCORE TESTS	100
D75	ADMINISTER TESTS EVALUATE TRAINING METHODS OR TECHNIQUES COUNSEL TRAINEES ON TRAINING PROGRESS MAINTAIN TRAINING RECORDS, CHARTS, OR GRAPHS	92
D9 1	EVALUATE TRAINING METHODS OR TECHNIQUES	77
D81	COUNSEL TRAINEES ON TRAINING PROGRESS	77
D92	MAINTAIN TRAINING RECORDS, CHARTS, OR GRAPHS	69
D94	PROCURE TRAINING AIDS, SPACE, OR EQUIPMENT	69
D82	DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION	62
D87 A3 D84	DIRECT OR IMPLEMENT TRAINING PROGRAMS OTHER THAN OJT	62
A3	COORDINATE WORK WITH RELATED MAINTENANCE ACTIVITIES	62
D84	DETERMINE RESIDENT COURSE TRAINING REQUIREMENTS	62
D83	DETERMINE OJT TRAINING REQUIREMENTS	54
D97	WRITE TRAINING REPORTS CONDUCT RESIDENT COURSE CLASSROOM TRAINING WRITE TEST QUESTIONS COUNSEL PERSONNEL ON PERSONAL OR MILITARY-RELATED PROBLEMS	54
D79	CONDUCT RESIDENT COURSE CLASSROOM TRAINING	46
D96	WRITE TEST QUESTIONS	46
B25	COUNSEL PERSONNEL ON PERSONAL OR MILITARY-RELATED PROBLEMS	46
חחח	FVALUATE A IT TOATMEEC	// IN
D93	PLAN OJT DIRECT OR IMPLEMENT OJT PROBLEMS ASSIGN ON-THE-JOB TRAINING (OJT) TRAINERS DETERMINE WORK PRIORITIES DRAFT CORRESPONDENCE OR REPORTS CONDUCT OJT CONDUCT TRAINING CONFERENCES OR BRIEFINGS UPDATE OR MAINTAIN WORK PROGRESS CHARTS OR STATUS BOARDS EVALUATE INSPECTION REPORTS OR PROCEDURES	46
D86	DIRECT OR IMPLEMENT OJT PROBLEMS	46
D76	ASSIGN ON-THE-JOB TRAINING (OJT) TRAINERS	46
A5	DETERMINE WORK PRIORITIES	46
E 100	DRAFT CORRESPONDENCE OR REPORTS	38
D78	CONDUCT OJT	38
D80	CONDUCT TRAINING CONFERENCES OR BRIEFINGS	38
F151	UPDATE OR MAINTAIN WORK PROGRESS CHARTS OR STATUS BOARDS	31
C58	EVALUATE INSPECTION REPORTS OR PROCEDURES	31
A11	ESTABLISH ORGANIZATIONAL POLICIES, MAINTENANCE OPERATING	
		31
חפת	INSTRUCTIONS (MOI), OR STANDING OPERATING PROCEDURES (SOP) EVALUATE PROGRESS OF RESIDENT COURSE STUDENTS ESTABLISH PERFORMANCE STANDARDS FOR SUBORDINATES	23
A12	ESTABLISH PERFORMANCE STANDARDS FOR SUBORDINATES	23
F101	KEYPUNCH MAINTENANCE INFORMATION INTO THE MAINTENANCE	
	MANAGEMENT INFORMATION CONTROL SYSTEM (MMICS)	23
F105	MAINTAIN LEVELS OF OFFICE FORMS OR SUPPLIES	23
DAS	FSTARLISH STUDY REFERENCE FILES	23
F 74Q	INSTRUCTIONS (MOI), OR STANDING OPERATING PROCEDURES (SOP) EVALUATE PROGRESS OF RESIDENT COURSE STUDENTS ESTABLISH PERFORMANCE STANDARDS FOR SUBORDINATES KEYPUNCH MAINTENANCE INFORMATION INTO THE MAINTENANCE MANAGEMENT INFORMATION CONTROL SYSTEM (MMICS) MAINTAIN LEVELS OF OFFICE FORMS OR SUPPLIES ESTABLISH STUDY REFERENCE FILES TYPE CORRESPONDENCE, RECORDS, REPORTS, OR FORMS INVESTIGATE ACCIDENTS OR INCIDENTS MAINTAIN CORRESPONDENCE FILES REQUEST AIRCRAFT SUPPORT EQUIPMENT SUPPORT	23
C69	INVESTIGATE ACCIDENTS OR INCIDENTS	23
E 103	MAINTAIN CORRESPONDENCE FILES	23
E 144	DECHIECT AIDCDAFT CHIDDADT FAHITDMENT CHIDDADT	23
E 177	VEGORAL VIVOVUL! SOLLOVI EGOTLIJEM! SOLLOVI	LV

GROUP ID NUMBER AND TITLE: GRP031, QUALITY CONTROL INSPECTORS

NUMBER IN GROUP: 23 PERCENT OF CLUSTER: 15%

MAJCOM DISTRIBUTION: MAC (83%), TAC (13%)

LOCATION: CONUS (78%), OVERSEAS (22%)
DAFSC DISTRIBUTION: 43170C (30%), 43150C (4%), 43170D (48%), 43150D (17%)
AVERAGE MONTHS IN SERVICE: 143

GROUP	DIFFERENTIATING TASKS	PERCENT MEMBERS PERFORMING
C71	REVIEW AFTO FORMS 22 (TECHNICAL ORDER SYSTEM PUBLICATION	
	IMPROVEMENT REPORT AND REPLY)	96
E119	PREPARE AFTO FORMS 22 (TECHNICAL ORDER SYSTEM PUBLICATION	-
	IMPROVEMENT REPORT AND REPLY)	91
B38	IMPLEMENT OR FOLLOW-UP ON QUALITY CONTROL PROGRAMS	87
E110	MAINTAIN ID FILES	83
8A A	DEVELOP QUALITY CONTROL PROGRAMS	83
L1064	INSPECT TOOLS OR TOOL KITS	78
All	IMPROVEMENT REPORT AND REPLY) PREPARE AFTO FORMS 22 (TECHNICAL ORDER SYSTEM PUBLICATION IMPROVEMENT REPORT AND REPLY) IMPLEMENT OR FOLLOW-UP ON QUALITY CONTROL PROGRAMS MAINTAIN ID FILES DEVELOP QUALITY CONTROL PROGRAMS INSPECT TOOLS OR TOOL KITS ESTABLISH ORGANIZATIONAL POLICIES, MAINTENANCE OPERATING INSTRUCTIONS (MOI), OR STANDING OPERATING PROCEDURES (SOP) EVALUATE INSPECTION REPORTS OR PROCEDURES INSPECT ELECTRICAL SYSTEM COMPONENTS RESEARCH AIR FORCE TOS OR STANDARD PUBLICATIONS IMPLEMENT OR FOLLOW-UP ON FOREIGN OBJECT DAMAGE (FOD) PROGRAMS REVIEW INSPECTION CHECKLISTS FOR CURRENT REQUIREMENTS	
	(SOP)	78
C58	EVALUATE INSPECTION REPORTS OR PROCEDURES	74
F1/6	INSPECT ELECTRICAL SYSTEM COMPONENTS	74
1 / O /	KESEAKCH AIK FUKCE 103 UK STANDAKU PUBLICATIONS	70
837	(COD) DROCHAMS	70
C 1/16	REVIEW INSPECTION CHECKLISTS FOR CURRENT REQUIREMENTS	70 70
F264	DESCRIBED INSPECTION CHECKLISTS FOR CORRENT REQUIREMENTS	70
r204	REVIEW INSPECTION CHECKLISTS FOR CURRENT REQUIREMENTS RESEARCH NUMERICAL INDEX REQUIREMENT TABLE (NIRT) TO LOCATE TECHNICAL ORDER NUMBERS AND TITLES PLAN MAINTENANCE OR INSPECTIONS OF HELICOPTERS DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION INVESTIGATE ACCIDENTS OR INCIDENTS EVALUATE COMPLIANCE WITH PERFORMANCE STANDARDS PREPARE AFTO FORMS 781A (MAINTENANCE DISCREPANCY AND WORK DOCUMENT)	65
A16	DIAN MAINTENANCE OD INSPECTIONS OF HELICOPTERS	65 65
D82	DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION	65
C69	INVESTIGATE ACCIDENTS OR INCIDENTS	65
056	EVALUATE COMPLIANCE WITH PERFORMANCE STANDARDS	61
E 125	PREPARE AFTO FORMS 781A (MAINTENANCE DISCREPANCY AND WORK	•
	DOCUMENT)	61
F179	INSPECT INSTRUMENT COVER GLASSES FOR SLIPPAGE OR BREAKAGE	61
F183	INSPECT VISIBLE TURBINE BLADES	61
K1019	BRIEF PILOT OR CREW ON STATUS OF AIRCRAFT	57
F175	IDENTIFY PRESENCE OF CORROSION ON HELICOPTERS	57
G338	INSPECT ROTOR SYSTEMS ON H-1 HELICOPTERS	57
G336	INSPECT LANDING GEAR ON H-1 HELICOPTERS	57
F177	INSPECT FIRST AID KITS	57
K1021	COMPUTE WEIGHT AND BALANCE DATA FOR H-1 HELICOPTERS	52
G331	INSPECT FLIGHT CONTROL SYSTEMS ON H-1 HELICOPTERS	52
E 108	DOCUMENT) INSPECT INSTRUMENT COVER GLASSES FOR SLIPPAGE OR BREAKAGE INSPECT VISIBLE TURBINE BLADES BRIEF PILOT OR CREW ON STATUS OF AIRCRAFT IDENTIFY PRESENCE OF CORROSION ON HELICOPTERS INSPECT ROTOR SYSTEMS ON H-1 HELICOPTERS INSPECT LANDING GEAR ON H-1 HELICOPTERS INSPECT FIRST AID KITS COMPUTE WEIGHT AND BALANCE DATA FOR H-1 HELICOPTERS INSPECT FLIGHT CONTROL SYSTEMS ON H-1 HELICOPTERS MAINTAIN STANDARD PUBLICATION FILES IMPLEMENT OR FOLLOW-UP ON CORROSION CONTROL PROGRAMS INTERPRET SCHEMATICS INTERPRET HELICOPTER MARKINGS	52
G335	IMPLEMENT OR FULLOW-UP ON CORROSION CONTROL PROGRAMS	52
F 186	INTERPRET VICE TOOPTER MARKETING	52
F 185	INTERPRET HELICOPTER MARKINGS	52

GROUP ID NUMBER AND TITLE: GRP039, HELICOPTER MAINTENANCE AND SUPPORT NCOICS NUMBER IN GROUP: 55 PERCENT OF CLUSTER: 35%

MAJCOM DISTRIBUTION: MAC (65%), AFSC (11%), USAFE (9%), TAC (7%)

LOCATION: CONUS (71%), OVERSEAS (29%)

DAFSC DISTRIBUTION: 43170C (56%), 43150C (9%), 43170D (35%)

AVERAGE GRADE: E-6, E-7

AVERAGE MONTHS IN SERVICE: 200

GROUP	DIFFERENTIATING TASKS	PERCENT MEMBERS PERFORMING
B25 B43		
540	INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES DETERMINE WORK PRIORITIES COORDINATE WORK WITH RELATED MAINTENANCE ACTIVITIES PREPARE APR INDORSE AIRMAN PERFORMANCE REPORTS (APR) ASSIGN PERSONNEL TO DUTY POSITIONS SCHEDULE LEAVES OR PASSES PLAN WORK ASSIGNMENTS DETERMINE REQUIREMENTS FOR SPACE, PERSONNEL, EQUIPMENT, OR	93
A5	DETERMINE WORK PRIORITIES	91
A3	COORDINATE WORK WITH RELATED MAINTENANCE ACTIVITIES	91
C70	PREPARE APR	91
C68	INDORSE AIRMAN PERFORMANCE REPORTS (APR)	85
Al	ASSIGN PERSONNEL TO DUTY POSITIONS	85
A23	SCHEDULE LEAVES OR PASSES	80
A1 A23 A19	PLAN WORK ASSIGNMENTS	78
A4	DETERMINE REQUIREMENTS FOR SPACE, PERSONNEL, EQUIPMENT, OR	
	SUPPLIES	78
C56 A2	EVALUATE COMPLIANCE WITH PERFORMANCE STANDARDS	76
A2	ASSIGN SPONSORS FOR NEWLY ASSIGNED PERSONNEL	75
C58	EVALUATE INSPECTION REPORTS OR PROCEDURES	73
A12	ESTABLISH PERFORMANCE STANDARDS FOR SUBORDINATES	71
D82	DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION	71
A12 D82 C54	SUPPLIES EVALUATE COMPLIANCE WITH PERFORMANCE STANDARDS ASSIGN SPONSORS FOR NEWLY ASSIGNED PERSONNEL EVALUATE INSPECTION REPORTS OR PROCEDURES ESTABLISH PERFORMANCE STANDARDS FOR SUBORDINATES DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION ANALYZE WORKLOAD REQUIREMENTS DEVELOP WORK METHODS OR PROCEDURES PREPARE OR MAINTAIN DUTY ROSTERS DRAFT CORRESPONDENCE OR REPORTS COMPLETE STATUS TAGS FOR CONDITION OF PROPERTY PLAN MAINTENANCE OR INSPECTIONS OF HELICOPTERS EVALUATE WORK SCHEDULES	69
A9	DEVELOP WORK METHODS OR PROCEDURES	69
E138	PREPARE OR MAINTAIN DUTY ROSTERS	69
E 100	DRAFT CORRESPONDENCE OR REPORTS	67
E98	COMPLETE STATUS TAGS FOR CONDITION OF PROPERTY	67
A16	PLAN MAINTENANCE OR INSPECTIONS OF HELICOPTERS	65
C67	EVALUATE WORK SCHEDULES	• •
D92	MAINTAIN TRAINING RECORDS, CHARTS, OR GRAPHS	65
B45	REVIEW MAN-HOUR REPORTING FORMS	64
C67 D92 B45 A11	ESTABLISH ORGANIZATIONAL POLICIES, MAINTENANCE OPERATING INSTRUCTIONS (MOI), OR STANDING OPERATING PROCEDURES (SOP)	
	(SOP)	62
C57		
•••	RECLASSIFICATION	62
C60		
	SUPPLIES	62
B29	DIRECT FLIGHTLINE MAINTENANCE	60
E 150		
	OF MAINTENANCE JOBS	6 0
B33		60
C72	SELECT INDIVIDUALS FOR SPECIALIZED TRAINING	60

GROUP ID NUMBER AND TITLE: GRP035, MAINTENANCE CONTROL SPECIALISTS NUMBER IN GROUP: 34 PERCENT OF CLUSTER: 22%

MAJCOM DISTRIBUTION: MAC (82%), TAC(9%)

LOCATION: CONUS (65%), OVERSEAS (35%)
DAFSC DISTRIBUTION: 43170C (41%), 43150C (21%), 43170D (21%), 43150D (17%)
AVERAGE MONTHS IN SERVICE: 126

GROUP	DIFFERENTIATING TASKS	PERCENT MEMBERS PERFORMING
A3	COORDINATE WORK WITH RELATED MAINTENANCE ACTIVITIES DETERMINE WORK PRIORITIES REQUEST AIRCRAFT SUPPORT EQUIPMENT SUPPORT MAINTAIN DAILY STATUS REPORTS	91
A5	DETERMINE WORK PRIORITIES	91
E 144	REQUEST AIRCRAFT SUPPORT EQUIPMENT SUPPORT	62
E104	MAINTAIN DAILY STATUS REPORTS	62
E 147	SCHEDULE HELICOPTER MAINTENANCE UPDATE OR MAINTAIN WORK PROGRESS CHARTS OR STATUS BOARDS	62
E151	UPDATE OR MAINTAIN WORK PROGRESS CHARTS OR STATUS BOARDS	59
B26		
	OR CHARTS	59
A16		59
B29	DIRECT FLIGHTLINE MAINTENANCE	50
E 121	PREPARE AFTO FORMS 349 (MAINTENANCE DATA COLLECTION RECORD)	47
E101		
E 7.40	MANAGEMENT INFORMATION CONTROL SYSTEM (MMICS)	44
E148		44
B28	DIRECT FIELD MAINTENANCE	41
E 102	MAINTAIN AFTO FORMS 349 (MAINTENANCE DATA COLLECTION RECORD)	41
A4	DETERMINE REQUIREMENTS FOR SPACE, PERSONNEL, EQUIPMENT, OR SUPPLIES	41
B32		41
B34	DIRECT UTILIZATION OF EQUIPMENT	41
B33	DIRECT SPECIAL INSPECTIONS	38
	UPDATE JOB CONTROL ON ESTIMATED TIME IN COMMISSION (ETIC)	
L 130	OF MAINTENANCE JOBS	32
A21	PREPARE MONTHLY MAINTENANCE PLANS	32
	PREPARE AFTO 95 (SIGNIFICANT HISTORICAL DATA)	29
C70	PREPARE APR	29
B24	CONDUCT STAFF MEETINGS	29
E 106	MAINTAIN MISSION-ESSENTIAL EQUIPMENT RECORDS	26
E116	CONDUCT STAFF MEETINGS MAINTAIN MISSION-ESSENTIAL EQUIPMENT RECORDS PREPARE AF FORMS 369 (AFORMS AIRCREW/MISSION FLIGHT DATA DOCUMENT)	
	boconent /	24
A14	PLAN BRIEFINGS	21
	PLAN WORK ASSIGNMENTS	21
D78	CONDUCT OJT	21
	DIRECT DOCK INSPECTIONS OR MAINTENANCE DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION	18
D82	DEMONSTRATE HOW TO LUCATE TECHNICAL INFORMATION	18

GROUP ID NUMBER AND TITLE: GRP089, HEADQUARTERS STAFF PERSONNEL PERCENT OF CLUSTER: 3% NUMBER IN GROUP: 5

MAJCOM DISTRIBUTION: MAC (80%), TAC (20%)

LOCATION: CONUS (100%)

DAFSC DISTRIBUTION: 43170C (60%), 43150C (20%), 43170D (20%) AVERAGE GRADE: E-6, E-7 AVERAGE MONTHS IN S AVERAGE MONTHS IN SERVICE: 219

CROUR	DIFFERENTIATING TASKS	PERCENT MEMBERS PERFORMING
GROUP	DIFFERENTIATING TASKS	FERFORMING
E 100	DRAFT CORRESPONDENCE OR REPORTS	100
C74		100
C74 E103	MAINTAIN CORRESPONDENCE FILES	100
C71	REVIEW AFTO FORMS 22 (TECHNICAL ORDER SYSTEM PUBLICATION	
• • •	IMPROVEMENT REPORT AND REPLY)	100
E119		
	IMPROVEMENT REPORT AND REPLY)	100
C65	EVALUATE SUGGESTIONS	80
C56	EVALUATE COMPLIANCE WITH PERFORMANCE STANDARDS	60
C60	EVALUATE MAINTENANCE OR USE OF WORKSPACE, EQUIPMENT, OR	
	SUPPLIES	60
A3	COORDINATE WORK WITH RELATED MAINTENANCE ACTIVITIES	60
C58 B43	EVALUATE INSPECTION REPORTS OR PROCEDURES	60
B43	EVALUATE SUGGESTIONS EVALUATE COMPLIANCE WITH PERFORMANCE STANDARDS EVALUATE MAINTENANCE OR USE OF WORKSPACE, EQUIPMENT, OR SUPPLIES COORDINATE WORK WITH RELATED MAINTENANCE ACTIVITIES EVALUATE INSPECTION REPORTS OR PROCEDURES INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES MAINTAIN DAILY STATUS REPORTS PLAN BRIEFINGS DIRECT SPECIAL INSPECTIONS EVALUATE SAFETY PROGRAMS EVALUATE PROCEDURES FOR STORAGE INVENTORY OR INSPECTION OF	
	SUBORDINATES	40
E104	MAINTAIN DAILY STATUS REPORTS	40
A 14	PLAN BRIEFINGS	40
B33 C63 C62	DIRECT SPECIAL INSPECTIONS	40
C63	EVALUATE SAFETY PROGRAMS	40
C62	EVALUATE PROCEDURES FOR STORAGE, INVENTORY, OR INSTRUCTION OF	
	PROPERTY ITEMS	40
B32	DIRECT SCHEDULED INSPECTIONS	40
E 136	PREPARE CLASS II MODIFICATIONS RECORDS	40
B48 B52 D80	SUPERVISE C-SHRED HELICOPTER TECHNICIANS (AFSC 43170C)	20
B52	SUPERVISE D-SHRED HELICOPTER TECHNICIANS (AFSC 43170D)	20
D80	CONDUCT TRAINING CONFERENCES OR BRIEFINGS	20
D82	DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION	20
F262	RESEARCH AIR FORCE TOS OR STANDARD PUBLICATIONS	20
F263	RESEARCH ARMY TOS OR STANDARD PUBLICATIONS	20
E146	REVIEW INSPECTION CHECKLISTS FOR CURRENT REQUIREMENTS	20
A16	PLAN MAINTENANCE OR INSPECTIONS OF HELICOPTERS	20
B35	IMPLEMENT COST REDUCTION PROGRAMS	20
B41	IMPLEMENT SUGGESTION PROGRAMS	20
A20 C54 D91 B36	PROPERTY ITEMS DIRECT SCHEDULED INSPECTIONS PREPARE CLASS II MODIFICATIONS RECORDS SUPERVISE C-SHRED HELICOPTER TECHNICIANS (AFSC 43170C) SUPERVISE D-SHRED HELICOPTER TECHNICIANS (AFSC 43170D) CONDUCT TRAINING CONFERENCES OR BRIEFINGS DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION RESEARCH AIR FORCE TOS OR STANDARD PUBLICATIONS RESEARCH ARMY TOS OR STANDARD PUBLICATIONS REVIEW INSPECTION CHECKLISTS FOR CURRENT REQUIREMENTS PLAN MAINTENANCE OR INSPECTIONS OF HELICOPTERS IMPLEMENT COST REDUCTION PROGRAMS IMPLEMENT SUGGESTION PROGRAMS PREPARE JOB DESCRIPTIONS ANALYZE WORKLOAD REQUIREMENTS EVALUATE TRAINING METHODS OR TECHNIQUES IMPLEMENT OR FOLLOW-UP ON CORROSION CONTROL PROGRAMS	20
C54	ANALYZE WURKLUAD REQUIREMENTS	20
D9 I	EVALUATE TRAINING METHODS OR TECHNIQUES	20
B36	IMPLEMENT OR FOLLOW-UP ON CORROSION CONTROL PROGRAMS	20

GROUP ID NUMBER AND TITLE: GRP036, H-1 FLIGHTLINE MAINTENANCE PERSONNEL PERCENT OF SAMPLE: 35% NUMBER IN GROUP: 333

MAJCOM DISTRIBUTION: MAC (77%), TAC (20%), AFSC 3%)

LOCATION: CONUS (88%), OVERSEAS (12%)

DAFSC DISTRIBUTION: 43130D (12%), 43150D (61%), 43170D (26%)

AVERAGE MONTHS IN SERVICE: 73 AVERAGE GRADE: E-4

AVERAGE MONTHS IN CAREER FIELD: 59

TYPE AIRCRAFT MAINTAINED: TH-1F (25%) UH-1F (22%) UH-1N (57%)

UH-1P (8%)

KH-1H (22%)

GROUP	DIFFERENTIATING TASKS	PERCENT MEMBERS PERFORMING
411001	DATT ENGINEER TO THE TOTAL OF T	
G307	ATTACH OR DETACH GROUND HANDLING WHEELS ON H-1 HELICOPTERS	99
G308	ATTACH OR DETACH TOW BARS ON H-1 HELICOPTERS	99
G336	INSPECT LANDING GEAR ON H-1 HELICOPTERS	96
G507	TIE DOWN BLADES ON H-1 HELICOPTERS	96
G338	ATTACH OR DETACH GROUND HANDLING WHEELS ON H-1 HELICOPTERS ATTACH OR DETACH TOW BARS ON H-1 HELICOPTERS INSPECT LANDING GEAR ON H-1 HELICOPTERS TIE DOWN BLADES ON H-1 HELICOPTERS INSPECT ROTOR SYSTEMS ON H-1 HELICOPTERS INSPECT FLIGHT CONTROL SYSTEMS ON H-1 HELICOPTERS LUBRICATE MAIN ROTOR HEAD ON H-1 HELICOPTERS JACK H-1 HELICOPTERS REMOVE OR INSTALL BATTERIES ON H-1 HELICOPTERS INSTALL MAIN ROTOR ASSEMBLIES ON H-1 HELICOPTERS REMOVE OR INSTALL DOORS ON H-1 HELICOPTERS CLEAN HELICOPTERS LUBRICATE FLIGHT CONTROLS ON H-1 HELICOPTERS REMOVE OR INSTALL HELICOPTERS PEMOVE OR INSTALL HELICOPTERS PASSENGER SEATS REMOVE OR INSTALL HELICOPTERS ON H-1 HELICOPTERS	95
G331	INSPECT FLIGHT CONTROL SYSTEMS ON H-1 HELICOPTERS	95
G355	LUBRICATE MAIN ROTOR HEAD ON H-1 HELICOPTERS	95
G351	JACK H-1 HELICOPTERS	95
G415	REMOVE OR INSTALL BATTERIES ON H-1 HELICOPTERS	94
G349	INSTALL MAIN ROTOR ASSEMBLIES ON H-1 HELICOPTERS	94
G426	REMOVE OR INSTALL DOORS ON H-1 HELICOPTERS	94
F165	CLEAN HELICOPTER SURFACES OR COMPARTMENTS	93
G352	LAUNCH H-1 HELICOPTERS	93
G354	LUBRICATE FLIGHT CONTROLS ON H-1 HELICOPTERS	93
F234	REMOVE OR INSTALL HELICOPTERS PASSENGER SEATS	92
G471		
E 125	PREPARE AFTO FORMS 781A (MAINTENANCE DISCREPANCY AND WORK DOCUMENT) REMOVE MAIN ROTOR ASSEMBLIES FROM H-1 HELICOPTERS REMOVE OR INSTALL MAIN ROTOR STABILIZER BAR ON H-1 HELICOPTERS	• -
	DOCUMENT)	92
G410	REMOVE MAIN ROTOR ASSEMBLIES FROM H-1 HELICOPTERS	92
G474	REMOVE OR INSTALL MAIN ROTOR STABILIZER BAR ON H-1	
		92
F222	REMOVE OR INSTALL AIRFRAME ACCESS PANELS, HATCHES, OR	
		92
G473	REMOVE OR INSTALL MAIN ROTOR PITCH CONTROL RODS ON H-1	0.7
	HELICOPTERS PREPARE AFTO FORMS 781K (AEROSPACE VEHICLE INSPECTION, ENG DATA, CALENDAR ITEM INSP AND DELAYED DISCREP DOCUMENT)	91
E 133	PREPARE AFTO FORMS /8 IK (AEROSPACE VEHICLE INSPECTION, ENG	0.7
=066	DATA, CALENDAR TIEM INSP AND DELAYED DISCREP DUCUMENT)	91
F268	SERVICE HELICOPTER ENGINE OIL SYSTEMS	91
G356	SERVICE HELICOPTER ENGINE OIL SYSTEMS LUBRICATE TAIL ROTOR ASSEMBLIES ON H-1 HELICOPTERS CONNECT OR DISCONNECT EXTERNAL ELECTRICAL POWER TO HELICOPTERS INSTALL TAIL ROTOR ASSEMBLIES ON H-1 HELICOPTERS	91
F168	CONNECT OR DISCONNECT EXTERNAL ELECTRICAL POWER TO	90
0250	HELICUPIERS	90
6350	INSTALL TAIL ROTOR ASSEMBLIES ON H-1 HELICOPTERS ADJUST DOOR OR WINDOW LATCH MECHANISMS ON H-1 HELICOPTERS SERVICE MAIN ROTOR ASSEMBLIES ON H-1 HELICOPTERS	90 ()
GZ93	AUJUST DUUK UK WINDUW LATCH MECHANISMS UN H-I HELICUPTERS	() 90
G503	SEKATCE WATH KOTOK WOSEWRITES ON H-1 HEFTCOLIFKS	90

GROUP ID NUMBER AND TITLE: GRP133, H-1 FLIGHTLINE SPECIALISTS

PERCENT OF CLUSTER: 84% NUMBER IN GROUP: 279

MAJCOM DISTRIBUTION: MAC (77%), TAC (20%)

LOCATION: CONUS (89%), OVERSEAS (11%)
DAFSC DISTRIBUTION: 43130D (9%), 43150D (66%), 43170D (24%)

AVERAGE MONTHS IN SERVICE: 70 AVERAGE GRADE: E-4

AVERAGE MONTHS IN CAREER FIELD: 57

TYPE AIRCRAFT MAINTAINED: TH-1F (25%) UH-1N (55%)

UH-1F (23%) UH-1P (9%)

HH-1H (23%)

		PERCENT MEMBERS
GROUP	DIFFERENTIATING TASKS	PERFORMING
G307	ATTACH OR DETACH GROUND HANDLING WHEELS ON H-1 HELICOPTERS	100
G307 G308	ATTACH OR DETACH GROUND HANDLING WHEELS ON H-1 HELICOPTERS ATTACH OR DETACH TOW BARS ON H-1 HELICOPTERS REMOVE OR INSTALL BATTERIES ON H- HELICOPTERS LUBRICATE MAIN ROTOR HEAD ON H-1 HELICOPTERS INTALL MAIN ROTOR ASSEMBLIES ON H-1 HELICOPTERS TIE DOWN BLADES ON H-1 HELICOPTERS INSPECT FLIGHT CONTROL SYSTEMS ON H-1 HELICOPTERS REMOVE OR INSTALL DOORS ON H-1 HELICOPTERS INSPECT ROTOR SYSTEMS ON H-1 HELICOPTERS LUBRICATE FLIGHT CONTROLS ON H-1 HELICOPTERS REMOVE OR INSTALL MAIN ROTOR STABILIZER BASE ON H-1 HELICOPTERS JACK H-1 HELICOPTERS	100
G415	DEMOVE OF INSTALL PATTERIES ON HE WELLCOFFERS	99
G355	HIRDICATE MAIN DOTOD HEAD ON H-1 HELICOPTERS	((
G349	INTALL MAIN DOTOD ASSEMBLIES ON H-1 HELICOPTERS	99
G507	TIE DOWN BLADES ON H_1 HELICOPTERS	98
G331	INSPECT FLIGHT CONTROL SYSTEMS ON H-1 HELICOPTERS	98
G336	INSPECT LANDING GEAR ON H-1 HELICOPTERS	98
G426	REMOVE OR INSTALL DOORS ON H-1 HELICOPTERS	98
G338	INSPECT ROTOR SYSTEMS ON H-1 HELICOPTERS	98
G354	LUBRICATE ELIGHT CONTROLS ON H-1 HELICOPTERS	98
G474	REMOVE OR INSTALL MAIN ROTOR STABILIZER BASE ON H-1	•
G 77 7	HEL ICOPTERS	98
G351	JACK H-1 HELICOPTERS	98
G473	REMOVE OR INSTALL MAIN ROTOR PITCH CONTROL RODS ON H-1	
	JACK H-1 HELICOPTERS REMOVE OR INSTALL MAIN ROTOR PITCH CONTROL RODS ON H-1 HELICOPTERS LUBRICATE TAIL ROTOR ASSEMBLIES ON H-1 HELICOPTERS REMOVE OR INSTALL MAIN ROTOR DAMPERS ON H-1 HELICOPTERS	97
G356	LUBRICATE TAIL ROTOR ASSEMBLIES ON H-1 HELICOPTERS	97
G472	REMOVE OR INSTALL MAIN ROTOR DAMPERS ON H-1 HELICOPTERS	97
G352	LAUNCH H-1 HELICOPTERS	96
G471	REMOVE OR INSTALL MAIN ROTOR BLADES ON H-1 HELICOPTERS	96
G487	PEMOVE OF INSTALL TAIL POTOR DRIVE COUPLINGS ON H-1	
	HELICOPTERS ADJUST DOOR OR WINDOW LATCH MECHANISMS ON H-1 HELICOPTERS REMOVE OR INSTALL HELICOPTER PASSENGER SEATS	96
G293	ADJUST DOOR OR WINDOW LATCH MECHANISMS ON H-1 HELICOPTERS	96
F234	REMOVE OR INSTALL HELICOPTER PASSENGER SEATS	96
G350	INSTALL TAIL ROTOR ASSEMBLIES ON H-I HELICOPTERS	96
G486	REMOVE OR INSTALL TAIL ROTOR BLADES ON H-1 HELICOPTERS	96
G475	DEMOVE OD INSTALL MAIN DOTOD SWASHDLATES ON H_1 HELICODTEDS	96
G410	REMOVE MAIN ROTOR ASSEMBLIES FROM H-1 HELICOPTERS	96
G503	SERVICE MAIN ROTOR ASSEMBLIES ON H-1 HELICOPTERS	95
G488	REMOVE OR INSTALL TAIL ROTOR DRIVE SHAFTS ON H-1	
	HELICOPTERS	95
G477	REMOVE OR INSTALL MAST ASSEMBLIES ON H-1 HELICOPTERS	95
F165	REMOVE MAIN ROTOR ASSEMBLIES FROM H-1 HELICOPTERS SERVICE MAIN ROTOR ASSEMBLIES ON H-1 HELICOPTERS REMOVE OR INSTALL TAIL ROTOR DRIVE SHAFTS ON H-1 HELICOPTERS REMOVE OR INSTALL MAST ASSEMBLIES ON H-1 HELICOPTERS CLEAN HELICOPTER SURFACES OR COMPARTMENTS	95

GROUP ID NUMBER AND TITLE: GRP156, H-1 LINE CHIEFS

NUMBER IN GROUP: 13 PERCENT OF CLUSTER: 4%

MAJCOM DISTRIBUTION: MAC (77%), TAC (15%), AFSC (8%)

LOCATION: CONUS (85%), OVERSEAS (15%)
DAFSC DISTRIBUTION: 43170D (92%), 43150D (8%)

AVERAGE GRADE: E-6 AVERAGE MONTHS IN SERVICE: 173

AVERAGE MONTHS IN CAREER FIELD: 115

TYPE AIRCRAFT MAINTAINED: TH-1F (15%) UH-1N (54%)

UH-1F (15%) UH-1P (8%)

HH-1H (31%)

GROUP	DIFFERENTIATING TASKS	PERCENT MEMBERS PERFORMING
B25	COUNSEL PERSONNEL ON PERSONAL OR MILITARY-RELATED PROBLEMS	100
C58	CULLULATE THANCATION DEPONDED AN ARRACHMEN	100
A3	COORDINATE WORK WITH RELATED MAINTENANCE ACTIVITIES	100
G338	INSPECT ROTOR SYSTEMS ON H-1 HELICOPTERS	100
G331	INSPECT FLIGHT CONTROL SYSTEMS ON H-1 HELICOPTERS	100
G307	ATTACH OR DETACH GROUND HANDLING WHEELS ON H-1 HELICOPTERS	100
G308	ATTACH OR DETACH TOW BARS ON H-1 HELICOPTERS	100
F195	OPERATE HELICOPTER INTERPHONE SYSTEMS	100
F222	REMOVE OR INSTALL AIRFRAME ACCESS PANELS, HATCHES, OR	
	COWLING ON HELICOPTERS	100
G291	ADJUST AUTOROTATION ON H-1 HELICOPTER MAIN ROTOR SYSTEMS	100
G406	KECOVER H=1 HECICOPIERS	100
G295	ADJUST MAIN ROTOR BLADE TRIM TAB ON H-1 HELICOPTERS	100
G352	LAUNCH H-1 HELICOPTERS	100
G349	ADJUST MAIN ROTOR BLADE TRIM TAB ON H-1 HELICOPTERS LAUNCH H-1 HELICOPTERS INSTALL MAIN ROTOR ASSEMBLIES ON H-1 HELICOPTERS OPERATE TOW VEHICLES REMOVE MAIN ROTOR ASSEMBLIES FROM H-1 HELICOPTERS JACK H-1 HELICOPTERS REVIEW MAN-HOUR REPORTING FORMS DIRECT FLIGHTLINE MAINTENANCE	100
F201	OPERATE TOW VEHICLES	100
G410	REMOVE MAIN ROTOR ASSEMBLIES FROM H-1 HELICOPTERS	100
G351	JACK H-1 HELICOPTERS	100
B45	REVIEW MAN-HOUR REPORTING FORMS	92
B29	DIRECT FLIGHTLINE MAINTENANCE	92
C/U	PREPARE APR	92
D42	SUPERVISE D-SHRED HELICUPIER MECHANICS (AFSC 43150D)	92
B43	CHRODINATES	00
۸16	DIAN MAINTENANCE OD INCDECTIONS OF HELICODIEDS	92
N 10	DEMONSTRATE UNI TO LOCATE TECHNICAL INFORMATION	92
DOZ F125	DEPONSTRATE NOW TO LOCATE TECHNICAL INFORMATION DDEDADE AETO ECOMS 7014 (MAINTENANCE DISCREDANCY AND	92
E 123	PREPARE APR SUPERVISE D-SHRED HELICOPTER MECHANICS (AFSC 43150D) INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES PLAN MAINTENANCE OR INSPECTIONS OF HELICOPTERS DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION PREPARE AFTO FORMS 781A (MAINTENANCE DISCREPANCY AND WORK DOCUMENT)	02
E 131	PREPARE AFTO FORMS 781H (AEROSPACE VEHICLE FLIGHT STATUS AND	32
2131	MAINTENANCE DOCUMENT)	92
A9		92
E 132		92
AT	ASSIGN PERSONNEL TO DUTY POSITIONS	92

GROUP ID NUMBER AND TITLE: GRP057, CH-3/HH-3 FLIGHTLINE MAINTENANCE PERSONNEL

NUMBER IN GROUP: 220 PERCENT OF SAMPLE: 23%

MAJCOM DISTRIBUTION: MAC (92%), TAC (6%)

LOCATION: CONUS (46%), OVERSEAS (54%)
DAFSC DISTRIBUTION: 43130C (9%), 43150C (59%), 43170C (32%)

AVERAGE GRADE: E-4 AVERAGE MONTHS IN SERVICE: 79

AVERAGE MONTHS IN CAREER FIELD: 63

TYPE OF AIRCRAFT MAINTAINED: CH-3 (79%) CH-53 (7%)

HH-3 (78%) HH-53 (9%)

		PERCENT MEMBERS
GROUP	DIFFERENTIATING TASKS	PERFORMING
1725	JACK H-3 HELICOPTERS	97
1701	ATTACH OR DETACH TOWING DEVICES ON H-3 HELICOPTERS	93
F180	ATTACH OR DETACH TOWING DEVICES ON H-3 HELICOPTERS INSPECT LANDING GEAR SYSTEMS ON H-3 OR H-53 HELICOPTERS INSPECT FLIGHT CONTROL SYSTEMS ON H-3 HELICOPTERS	96
1117	INSPECT FLIGHT CONTROL SYSTEMS ON H-3 HELICOPTERS	96
F222	REMOVE OR INSTALL AIRFRAME ACCESS PANELS, HATCHES, OR	
	COWLING ON HELICOPTERS	95
I718	INSPECT ROTOR SYSTEMS ON H-3 HELICOPTERS	95
F269	SERVICE HELICOPTER HYDRAULIC SYSTEMS	94
1818	TIE DOWN BLADES ON H-3 HELICOPTERS	94
F248	REMOVE OR INSTALL MAIN ROTOR BLADES ON H-3 OR H-53	
	HELICOPTERS	94
E125	PREPARE AFTO FORMS 781A (MAINTENANCE DISCREPANCY AND WORK	
	DOCUMENT)	93
I726	LAUNCH H-3 HELICOPTERS	93
1721	INSPECT TRANSMISSIONS ON H-3 HELICOPTERS	93
F190	LUBRICATE MAIN ROTOR HEAD ON H-3 OR H-53 HELICOPTERS	93
F220	REMOVE MAIN ROTOR ASSEMBLIES FROM H-3 OR H-53 HELICOPTERS	93
F168	CONNECT OR DISCONNECT EXTERNAL ELECTRICAL POWER TO	
	HELICOPTERS	93
1712	INSPECT ENGINES ON H-3 HELICOPTERS	92
I 759	QUICK-RIG TAIL ROTOR FLIGHT CONTROLS ON H-3 HELICOPTERS	92
1730	QUICK-RIG TAIL ROTOR FLIGHT CONTROLS ON H-3 HELICOPTERS PERFORM AIRCRAFT MAINTENANCE PREFLIGHT INSPECTIONS ON H-3	
	HELICOFIERS	36
	OPERATE HELICOPTER INTERPHONE SYSTEMS	92
	INSPECT HYDRAULIC SYSTEMS ON H-3 HELICOPTERS	92
F271	SERVICE HELICOPTER TIRES	92
F234	REMOVE OR INSTALL HELICOPTER PASSENGER SEATS	92
F199	OPERATE PORTABLE LIGHTING UNITS	92
1724	INSTALL TAIL ROTOR ASSEMBLIES ON H-3 HELICOPTERS	92
1732	INSTALL TAIL ROTOR ASSEMBLIES ON H-3 HELICOPTERS PERFORM AIRCRAFT POSTFLIGHT INSPECTIONS ON H-3 HELICOPTERS	91
F268	SERVICE HELICOPTER ENGINE OIL SYSTEMS	91
E133	The state of the s	
	DATA, CALENDAR ITEM INSP AND DELAYED DISCREP DOCUMENT)	91
1738	PERFORM OPERATIONAL CHECKS OF AIRCRAFT LIGHTING SYSTEMS ON	
	H-3 HELICOPTERS	91

TABLE All

GROUP ID NUMBER AND TITLE: GRP108, H-3 FLIGHTLINE SPECIALISTS

PERCENT OF CLUSTER: 93% NUMBER IN GROUP: 205

MAJCOM DISTRIBUTION: MAC (92%), TAC (6%)

LOCATION: CONUS (47%), OVERSEAS (53%)
DAFSC DISTRIBUTION: 43130C (9%), 43150C (63%), 43170C (27%)

AVERAGE MONTHS IN SERVICE: 71 AVERAGE GRADE: E-4

AVERAGE MONTHS IN CAREER FIELD: 57

TYPE AIRCRAFT MAINTAINED: CH-3 (81%)

HH-3 (76%)

		MEMBERS
GROUP	DIFFERENTIATING TASKS	PERFORMING
E100	INSPECT LANDING GEAR SYSTEMS ON H-3 OR H-53 HELICOPTERS	100
F 180 I 725	JACK H-3 HELICOPTERS	99
F222	REMOVE OR INSTALL AIRFRAME ACCESS PANELS, HATCHES, OR	33
ΓΖΖΖ	COWLING ON HELICOPTERS	98
F190	LUBDICATE MAIN DOTOD HEAD ON H_2 OD H_53 HELICODTEDS	
1730		30
1730	HELICOPTERS	98
1726	I ANNOU U_3 UELTOOTEDS	
1720	ATTACH OP DETACH TOWING DEVICES ON H-3 HELICOPTERS	98
F165	CLEAN HELICOPTER SURFACES OR COMPARTMENTS	97
F271	SERVICE HELICOPTER TIRES	97
F234	LAUNCH H-3 HELICOPTERS ATTACH OR DETACH TOWING DEVICES ON H-3 HELICOPTERS CLEAN HELICOPTER SURFACES OR COMPARTMENTS SERVICE HELICOPTER TIRES REMOVE OR INSTALL HELICOPTER PASSENGER SEATS	97
F 189	LUBRICATE LANDING GEAR COMPONENTS ON H-3 OR H-53 HELICOPTERS	97
F248		••
1 2 70	HELICOPTERS	97
F268	SERVICE HELICORTED ENGINE OIL SYSTEMS	96
1714	INSPECT FLIGHT CONTROL SYSTEMS ON H-3 HELICOPTERS	96
1818	TIE DOWN BLADES ON H-3 HELICOPTERS	96
1738		-
1,00	H-3 HELICOPTERS	96
1732		96
	INSPECT ROTOR SYSTEMS ON H-3 HELICOPTERS	96
F220	REMOVE MAIN ROTOR ASSEMBLIES FROM H-3 OR H-53 HELICOPTERS	96
1766		96
E 125	PREPARE AFTO FORMS 781A (MAINTENANCE DISCREPANCY AND WORK	
	DOCUMENT)	95
1735	PERFORM AIRCRAFT THRUFLIGHT INSPECTIONS ON H-3 HELICOPTERS	95
F168	CONNECT OR DISCONNECT EXTERNAL ELECTRICAL POWER TO	
	CONNECT OR DISCONNECT EXTERNAL ELECTRICAL POWER TO HELICOPTERS OPERATE PORTABLE LIGHTING UNITS RECOVER H-3 HELICOPTERS LUBRICATE AIRFRAME COMPONENTS ON HELICOPTERS OPERATE HELICOPTER INTERPHONE SYSTEMS PREPARE AFTO FORMS 781K (AEROSPACE VEHICLE INSPECTION, ENG	95
F 199	OPERATE PORTABLE LIGHTING UNITS	95
1760	RECOVER H-3 HELICOPTERS	94
F187	LUBRICATE AIRFRAME COMPONENTS ON HELICOPTERS	94
F 195	OPERATE HELICOPTER INTERPHONE SYSTEMS	94
E 133	PREPARE AFTO FORMS 781K (AEROSPACE VEHICLE INSPECTION, ENG DATA, CALENDAR ITEM INSP AND DELAYED DISCREP DOCUMENT) INSTALL TAIL ROTOR ASSEMBLIES ON H-3 HELICOPTERS	
	DATA, CALENDAR ITEM INSP AND DELAYED DISCREP DOCUMENT)	94
1724	INSTALL TAIL ROTOR ASSEMBLIES ON H-3 HELICOPTERS	94

GROUP ID NUMBER AND TITLE: GRP110, H-3 LINE CHIEFS

NUMBER IN GROUP: 13 PERCENT OF CLUSTER: 6%

MAJCOM DISTRIBUTION: MAC (92%)

LOCATION: CONUS (31%), OVERSEAS (69%)

DAFSC DISTRIBUTION: 43170C (100%)

AVERAGE GRADE: E-6 AVERAGE MONTHS IN SERVICE: 196

AVERAGE MONTHS IN CAREER FIELD: 156

TYPE AIRCRAFT MAINTAINED: CH-3 (54%)

HH-3 (100%)

GROUP	DIFFERENTIATING TASKS	PERCENT MEMBERS PERFORMING
B48	SUPERVISE C-SHRED HELICOPTER TECHNICIANS (AFSC 43170C) DETERMINE WORK PRIORITIES COORDINATE WORK WITH RELATED MAINTENANCE ACTIVITIES INSPECT TAIL ROTOR RIGGING ON H-3 HELICOPTERS	100
A5	DETERMINE WORK PRIORITIES	100
A3	COORDINATE WORK WITH RELATED MAINTENANCE ACTIVITIES	100
	INSPECT TAIL ROTOR RIGGING ON H-3 HELICOPTERS	100
B25	INSPECT TAIL ROTOR RIGGING ON H-3 HELICOPTERS COUNSEL PERSONNEL ON PERSONAL OR MILITARY-RELATED PROBLEMS INSPECT TRANSMISSION DRIVE SYSTEMS ON H-3 HELICOPTERS INSPECT TRANSMISSIONS ON H-3 HELICOPTERS INSPECT MAIN ROTOR RIGGING ON H-3 HELICOPTERS INSPECT FLIGHT CONTROL SYSTEMS ON H-3 HELICOPTERS DIRECT FLIGHTLINE MAINTENANCE PERFORM IN-PROGRESS INSPECTIONS ON H-3 HELICOPTERS PREPARE APR INSPECT ROTOR SYSTEMS ON H-3 HELICOPTERS SUPERVISE C-SHRED HELICOPTER MECHANICS (AFSC 43150C) UPDATE JOB CONTROL ON ESTIMATED TIME IN COMMISSION (ETIC) OF	100
1720	INSPECT TRANSMISSION DRIVE SYSTEMS ON H-3 HELICOPTERS	100
1721	INSPECT TRANSMISSIONS ON H-3 HELICOPTERS	100
1717	INSPECT MAIN ROTOR RIGGING ON H-3 HELICOPTERS	100
Ī714	INSPECT FLIGHT CONTROL SYSTEMS ON H-3 HELICOPTERS	100
B29	DIRECT FLIGHTLINE MAINTENANCE	92
1736	PERFORM IN-PROGRESS INSPECTIONS ON H-3 HELICOPTERS	92
C70	PREPARE APR	92
1718	INSPECT ROTOR SYSTEMS ON H-3 HELICOPTERS	92
B47	SUPERVISE C-SHRED HELICOPTER MECHANICS (AFSC 43150C)	85
E 150	UPDATE JOB CONTROL ON ESTIMATED TIME IN COMMISSION (ETIC) OF	
	MAINTENANCE JOBS	85
F262	RESEARCH AIR FORCE TOS OR STANDARD PUBLICATIONS	85
A19	PLAN WORK ASSIGNMENTS	85
1712	INSPECT ENGINES ON H-3 HELICOPTERS	85
F201	OPERATOR TOW VEHICLES	85
U832	TROUBLESHOOT MAIN ROTOR SYSTEMS ON H-3 HELICOPTERS	85
D82	DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION	85
E115	PREPARE AF FORMS 2413 (SUPPLY CONTROL LOG)	85
1831	TROUBLESHOOT MAIN GEARBOX ASSEMBLIES ON H-3 HELICOPTERS	85
1716	INSPECT HYDRAULIC SYSTEMS ON H-3 HELICOPTERS	85
B45	REVIEW MAN-HOUR REPORTING FORMS	77
A 7	ASSIGN PERSONNEL TO DUTY POSITIONS	77
E 147	SCHEDULE HELICOPTER MAINTENANCE	77
A16	PLAN MAINTENANCE OR INSPECTIONS OF HELICOPTERS	77
B43	INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR	
	SUBORDINATES	77
1829	SUPERVISE C-SHRED HELICOPTER MECHANICS (AFSC 43150C) UPDATE JOB CONTROL ON ESTIMATED TIME IN COMMISSION (ETIC) OF MAINTENANCE JOBS RESEARCH AIR FORCE TOS OR STANDARD PUBLICATIONS PLAN WORK ASSIGNMENTS INSPECT ENGINES ON H-3 HELICOPTERS OPERATOR TOW VEHICLES TROUBLESHOOT MAIN ROTOR SYSTEMS ON H-3 HELICOPTERS DEMONSTRATE HOW TO LOCATE TECHNICAL INFORMATION PREPARE AF FORMS 2413 (SUPPLY CONTROL LOG) TROUBLESHOOT MAIN GEARBOX ASSEMBLIES ON H-3 HELICOPTERS INSPECT HYDRAULIC SYSTEMS ON H-3 HELICOPTERS REVIEW MAN-HOUR REPORTING FORMS ASSIGN PERSONNEL TO DUTY POSITIONS SCHEDULE HELICOPTER MAINTENANCE PLAN MAINTENANCE OR INSPECTIONS OF HELICOPTERS INTERPRET POLICIES, DIRECTIVES, OR PROCEDURES FOR SUBORDINATES TROUBLESHOOT LANDING GEAR SYSTEMS ON H-3 HELICOPTERS ORDER PARTS BY VOICE COMMUNICATION ATTACH OR DETACH TOWING DEVICES ON H-3 HELICOPTERS INSPECT FUEL SYSTEMS ON H-3 HELICOPTERS	77
E112	ORDER PARTS BY VOICE COMMUNICATION	77
1701	ATTACH OR DETACH TOWING DEVICES ON H-3 HELICOPTERS	7 7
1715	INSPECT FUEL SYSTEMS ON H-3 HELTCOPTERS	85

GROUP ID NUMBER AND TITLE: . GRP059, CH-53/HH-53 FLIGHTLINE MAINTENANCE PERSONNEL

NUMBER IN GROUP: 190 PERCENT OF SAMPLE: 20%

MAJCOM DISTRIBUTION: MAC (68%), AFSC (24%), USAFE (6%)

LOCATION: CONUS (72%), OVERSEAS (28%)

DAFSC DISTRIBUTION: 43130C (12%), 43150C (58%), 43170C (29%)

AVERAGE GRADE: E-4 AVERAGE MONTHS IN SERVICE: 66

AVERAGE MONTHS IN CAREER FIELD: 53

TYPE AIRCRAFT MAINTAINED: CH-53 (30%) CH-3 (5%) HH-53 (83%) HH-3 (5%)

PERCENT MEMBERS GROUP DIFFERENTIATING TASKS PERFORMING INSPECT LANDING GEAR SYSTEMS ON H-3 OR H-53 HELICOPTERS 95 REMOVE OR INSTALL MAIN ROTOR BLADES ON H-3 OR H-53 F248 95 HELICOPTERS F222 REMOVE OR INSTALL AIRFRAME ACCESS PANELS, HATCHES, OR 95 COWLING ON HELICOPTERS LUBRICATE MAIN ROTOR HEAD ON H-3 OR H-53 HELICOPTERS 95 F190 REMOVE MAIN ROTOR ASSEMBLIES FROM H-3 OR H-53 HELICOPTERS 95 F220 94 JACK H-3 HELICOPTERS H572 94 ATTACH OR DETACH TOWING DEVICES ON H-3 HELICOPTERS H548 94 F269 SERVICE HELICOPTER HYDRAULIC SYSTEMS F168 CONNECT OR DISCONNECT EXTERNAL ELECTRICAL POWER TO 93 **HELICOPTERS** H570 INSTALL MAIN ROTOR ASSEMBLIES ON H-53 HELICOPTERS 93 OPERATE HELICOPTER INTERPHONE SYSTEMS 93 F195 ADJUST TAIL ROTOR PITCH CONTROL LINKS ON H-3 OR H-53 F 155 93 **HELICOPTERS** 92 F271 SERVICE HELICOPTER TIRES 92 SERVICE HELICOPTER ENGINE OIL SYSTEMS F268 92 CLEAN HELICOPTER SURFACES OR COMPARTMENTS F165 91 F219 REFUEL HELICOPTERS USING PRESSURE PROCEDURE 91 LUBRICATE AIRFRAME COMPONENTS ON HELICOPTERS F 187 91 H640 REMOVE OR INSTALL MAIN ROTOR DAMPERS ON H-53 HELICOPTERS 91 F200 OPERATE SERVICING AIR COMPRESSORS H265 INSPECT ROTOR SYSTEMS ON H-53 HELICOPTERS 91 QUICK-RIG MAIN ROTOR FLIGHT CONTROLS ON H-53 HELICOPTERS 91 H605 90 H561 INSPECT FLIGHT CONTROL SYSTEMS ON H-53 HELICOPTERS 90 F225 REMOVE OR INSTALL CHIP DETECTORS INSPECT HYDRAULIC SYSTEMS ON H-53 HELICOPTERS 89 H563 TRACK MAIN ROTOR BLADE USING STROBEX EQUIPMENT 89 F280 REMOVE OR INSTALL MAIN ROTOR PITCH CONTROL RODS ON H-3. F249 H-53, OR H-60 HELICOPTERS 89 F258 REMOVE OR INSTALL TAIL ROTOR DRIVE THOMAS COUPLING 89 ASSEMBLIES ON H-3, H-53, OR H-60 HELICOPTERS ADJUST PRETRACK ON H-3 OR H-53 HELICOPTERS 89 F154 89 H549 BLEED HYDRAULIC SYSTEMS ON H-53 HELICOPTERS

GROUP ID NUMBER AND TITLE: GRP134, H-53 FLIGHTLINE SPECIALISTS

NUMBER IN GROUP: 170 PERCENT OF CLUSTER: 89%

MAJCOM DISTRIBUTION: MAC (69%), AFSC (22%), USAFE (7%)

LOCATION: CONUS (74%), OVERSEAS (26%)

DAFSC DISTRIBUTION: 43130C (13%), 43150C (59%), 43170C (28%)

AVERAGE GRADE: E-4 AVERAGE MONTHS IN SERVICE: 64

AVERAGE MONTHS IN CAREER FIELD: 53

TYPE AIRCRAFT MAINTAINED: CH-53 (31%)

HH-53 (86%)

CDOUD	DIFFERENTIATING TASKS	PERCENT MEMBERS
droor	DITTERENTIATING TASKS	PERFORMING
H572	JACK H-53 HELICOPTERS INSTALL MAIN ROTOR ASSEMBLIES ON H-53 HELICOPTERS LUBRICATE MAIN ROTOR HEAD ON H-3 OR H-53 HELICOPTERS INSPECT LANDING GEAR SYSTEMS ON H-3 OR H-53 HELICOPTERS ATTACH OR DETACH TOWING DEVICES ON H-53 HELICOPTERS INSPECT ROTOR SYSTEMS ON H-53 HELICOPTERS REMOVE OR INSTALL MAIN ROTOR BLADES ON H-3 OR H-53 HELICOPTERS	QQ
H570	INSTALL MAIN ROTOR ASSEMBLIES ON H-53 HELICOPTERS	98
F 190	LUBRICATE MAIN ROTOR HEAD ON H-3 OR H-53 HELICOPTERS	98
F180	INSPECT LANDING GEAR SYSTEMS ON H-3 OR H-53 HELICOPTERS	98
H548	ATTACH OR DETACH TOWING DEVICES ON H-53 HELICOPTERS	97
H565	INSPECT ROTOR SYSTEMS ON H-53 HELICOPTERS	97
F248	REMOVE OR INSTALL MAIN ROTOR BLADES ON H-3 OR H-53	5,
	HELICOPTERS REMOVE OR INSTALL MAIN ROTOR DAMPERS ON H-53 HELICOPTERS SERVICE HELICOPTER HYDRAULIC SYSTEMS	97
H640	REMOVE OR INSTALL MAIN ROTOR DAMPERS ON H-53 HELICOPTERS	96
F269	SERVICE HELICOPTER HYDRAULIC SYSTEMS	96
F271	SERVICE HELICOPTER TIRES	96
F268	SERVICE HELICOPTER ENGINE OIL SYSTEMS	96
F222		
	COWLING ON HELICOPTERS	95
H567	INSPECT TRANSMISSION DRIVE SYSTEMS ON H-53 HELICOPTERS	95
H605	OUICK-RIG MAIN ROTOR FLIGHT CONTROLS ON H-53 HELICOPTERS	95
F 195	INSPECT TRANSMISSION DRIVE SYSTEMS ON H-53 HELICOPTERS QUICK-RIG MAIN ROTOR FLIGHT CONTROLS ON H-53 HELICOPTERS OPERATE HELICOPTER INTERPHONE SYSTEMS INSPECT TRANSMISSIONS ON H-53 HELICOPTERS LUBRICATE AIRFRAME COMPONENTS ON HELICOPTERS REMOVE MAIN ROTOR ASSEMBLIES FROM H-3 OR H-53 HELICOPTERS	95
H568	INSPECT TRANSMISSIONS ON H-53 HELICOPTERS	95
F187	LUBRICATE AIRFRAME COMPONENTS ON HELICOPTERS	95
F220	REMOVE MAIN ROTOR ASSEMBLIES FROM H-3 OR H-53 HELICOPTERS	95
F200	UPERATE SERVICING AIR COMPRESSORS	95
H579	BERGERS 415 45 45 45 45 45 45 45 45 45 45 45 45 45	
F168	CONNECT OR DISCONNECT EXTERNAL ELECTRICAL POWER TO	• .
	HELICOPTERS	94
H670	TIE DOWN BLADES ON H-53 HELICOPTERS	94
H563	INSPECT HYDRAULIC SYSTEMS ON H-53 HELICOPTERS	94
H648	REMOVE OR INSTALL TAIL ROTOR BLADES ON H-53 HELICOPTERS	94
F165	CLEAN HELICOPTER SURFACES OR COMPARTMENTS	94
F219	REFUEL HELICOPTERS USING PRESSURE PROCEDURE	94
H561	INSPECT FLIGHT CONTROL SYSTEMS ON H-53 HELICOPTERS	94
F225	REMOVE OR INSTALL CHIP DETECTORS	94
F258	REMOVE OR INSTALL TAIL ROTOR DRIVE THOMAS COUPLING	
	ASSEMBLIES ON H-3, H-53, OR H-60 HELICOPTERS	94
F 155	PERFORM AIRCRAFT POSTFLIGHT INSPECTIONS ON H-53 HELICOPTERS CONNECT OR DISCONNECT EXTERNAL ELECTRICAL POWER TO HELICOPTERS TIE DOWN BLADES ON H-53 HELICOPTERS INSPECT HYDRAULIC SYSTEMS ON H-53 HELICOPTERS REMOVE OR INSTALL TAIL ROTOR BLADES ON H-53 HELICOPTERS CLEAN HELICOPTERS USING PRESSURE PROCEDURE INSPECT FLIGHT CONTROL SYSTEMS ON H-53 HELICOPTERS REMOVE OR INSTALL CHIP DETECTORS REMOVE OR INSTALL TAIL ROTOR DRIVE THOMAS COUPLING ASSEMBLIES ON H-3, H-53, OR H-60 HELICOPTERS ADJUST TAIL ROTOR PITCH CONTROL LINKS ON H-3 OR H-53 HELICOPTERS	
	HELICOPTERS	94

GROUP ID NUMBER AND TITLE: GRP136, H-53 LINE CHIEFS

PERCENT OF CLUSTER: 3% NUMBER IN GROUP: 5

MAJCOM DISTRIBUTION: MAC (80%), AFSC (20%)

LOCATION: CONUS (60%), OVERSEAS (40%) DAFSC DISTRIBUTION: 43170C (100%)

AVERAGE GRADE: E-6

AVERAGE MONTHS IN SERVICE: 161

AVERAGE MONTHS IN CAREER FIELD: 77

TYPE AIRCRAFT MAINTAINED: CH-53 (40%)

HH-53 (80%)

GROUP	DIFFERENTIATING TASKS	PERCENT MEMBERS PERFORMING
B2 9	DIRECT FLIGHTLINE MAINTENANCE DETERMINE WORK PRIORITIES ASSIGN PERSONNEL TO DUTY POSITIONS SUPERVISE C-SHRED HELICOPTER MECHANICS (AFSC 43150C)	100
A5	DETERMINE WORK PRINCITIES	100
Al	ASSIGN DEDSONNEL TO DUTY POSITIONS	100
B47	SUPERVISE C-SUPER HELICOPTED MECHANICS (AFSC 43150C)	100
A3	COORDINATE WORK WITH RELATED MAINTENANCE ACTIVITIES	100
H678		100
F201	OPERATE TOW VEHICLES	100
B46	SUPERVISE C-SHRED APPRENTICE HELICOPTER MECHANICS (AFSC	100
040	43130C)	100
F280	TRACK MAIN ROTOR BLADE USING STROBEX EQUIPMENT	100
H564	THEORET MAIN DOTOD DISCOING ON HERS HELICODTEDS	100
H640	REMOVE OR INSTALL MAIN ROTOR DAMPERS ON H-53 HELICOPTERS RIG MAIN ROTOR FLIGHT CONTROLS ON H-53 HELICOPTERS	100
H661	DIC MAIN DOTOD FLIGHT CONTROLS ON HESS HELICOPTERS	100
H662	RIG TAIL ROTOR FLIGHT CONTROLS ON H-53 HELICOPTERS	100
F219	REFUEL HELICOPTERS USING PRESSURE PROCEDURE	100
F248	REMOVE OR INSTALL MAIN ROTOR BLADES ON H-3 OR H-53	100
1 240	HELICOPTERS	100
H 6 05	QUICK-RIG MAIN ROTOR FLIGHT CONTROLS ON H-53 HELICOPTERS	
F203		100
1 203	HELICOPTER FLIGHT CONTROL SYSTEMS	100
H566	INSPECT TAIL ROTOR RIGGING ON H-53 HELICOPTERS	100
H570	INSTALL MAIN ROTOR ASSEMBLIES ON H-53 HELICOPTERS	100
H571	INSTALL TAIL ROTOR ASSEMBLIES ON H-53 HELICOPTERS	100
E 122	PREPARE AFTO FORMS 350 (REPARABLE ITEM PROCESSING TAG)	100
H563	INSPECT HYDRAULIC SYSTEMS ON H-53 HELICOPTERS	100
F220	REMOVE MAIN ROTOR ASSEMBLIES FROM H-3 OR H-53 HELICOPTERS	
H548	ATTACH OR DETACH TOWING DEVICES ON H-53 HELICOPTERS	100
H545	ALIGN TRANSMISSION DRIVE SYSTEMS ON H-53 HELICOPTERS	100
E 150	UPDATE JOB CONTROL ON ESTIMATED TIME IN COMMISSION (ETIC)	
L 130	OF MAINTENANCE IORS	ጸበ
H686	TROUBLESHOOT MAIN ROTOR SYSTEMS ON H-53 HELICOPTERS	80
H690	TROUBLESHOOT TAIL ROTOR DRIVE SHAFT ASSEMBLIES ON H-53	•
11030	TROUBLESHOOT MAIN ROTOR SYSTEMS ON H-53 HELICOPTERS TROUBLESHOOT TAIL ROTOR DRIVE SHAFT ASSEMBLIES ON H-53 HELICOPTERS TROUBLESHOOT TAIL ROTOR SYSTEMS ON H-53 HELICOPTERS	80
н691	TROUBLESHOOT TAIL ROTOR SYSTEMS ON H-53 HELICOPTERS	80
C70	PREPARE APR	80
F210	POSITION OR SPOT NONPOWERED AIRCRAFT SUPPORT EQUIPMENT	

GROUP ID NUMBER AND TITLE: GRP034, H-3/H-53 GROUND SUPPORT AND SERVICING

PERSONNEL

NUMBER IN GROUP: 14 PERCENT OF SAMPLE: 1%

MAJCOM DISTRIBUTION: MAC (79%), AFSC (21%)

LOCATION: CONUS (86%), OVERSEAS (14%)
DAFSC DISTRIBUTION: 43130C (93%), 43150C (7%)

AVERAGE MONTHS IN SERVICE: 9 AVERAGE GRADE: E-2

AVERAGE MONTHS IN CAREER FIELD: 6

TYPE AIRCRAFT SUPPORTED: CH-3 (21%) CH-53 (29%)

HH-3 (29%) HH-53 (50%)

		PERCENT MEMBERS
GROUP	DIFFERENTIATING TASKS	PERFORMING
		_
	CLEAN HELICOPTER SURFACES OR COMPARTMENTS REFUEL HELICOPTERS USING PRESSURE PROCEDURE SERVICE HELICOPTER TIRES INSPECT TOOLS OR TOOL KITS CONNECT OR DISCONNECT EXTERNAL ELECTRICAL POWER TO	100
F219	REFUEL HELICOPTERS USING PRESSURE PROCEDURE	100
F271	SERVICE HELICOPTER TIRES	79
	INSPECT TOOLS OR TOOL KITS	71
F168	CONNECT OR DISCONNECT EXTERNAL ELECTRICAL POWER TO	
	HELICOPTERS	71
E 12 1		71
	SERVICE HELICOPTER HYDRAULIC SYSTEMS	71
L 1062	CLEAN HANDTOOLS OR SPECIAL EQUIPMENT	71
E125	PREPARE AFTO FORMS 781A (MAINTENANCE DISCREPANCY AND WORK	
	NACHMENTO \	71
F268	SERVICE HELICOPTER ENGINE OIL SYSTEMS	71
F278	TAKE JOINT OIL ANALYSIS PROGRAM (JOAP) SAMPLES FROM	
	HELICOPTERS	71
L 1065	INVENTORY EQUIPMENT, TOOLS, TOOL KITS, OR SUPPLIES	64
F180	SERVICE HELICOPTER ENGINE OIL SYSTEMS TAKE JOINT OIL ANALYSIS PROGRAM (JOAP) SAMPLES FROM HELICOPTERS INVENTORY EQUIPMENT, TOOLS, TOOL KITS, OR SUPPLIES INSPECT LANDING GEAR SYSTEMS ON H3 OR H-53 HELICOPTERS	64
F183	INSPECT VISIBLE TURBINE BLADES REMOVE OR INSTALL AIRFRAME ACCESS PANELS, HATCHES, OR COWLING ON HELICOPTERS REMOVE OR INSTALL MAIN ROTOR BLADES ON H-3 OR H-53 HELICOPTERS	64
F222	REMOVE OR INSTALL AIRFRAME ACCESS PANELS, HATCHES, OR	
	COWLING ON HELICOPTERS	64
F248	REMOVE OR INSTALL MAIN ROTOR BLADES ON H-3 OR H-53	
	HELICOPTERS	64
H548	ATTACH OR DETACH TOWING DEVICES ON H-53 HELICOPTER PERFORM AIRCRAFT POSTFLIGHT INSPECTIONS ON H-53 HELICOPTERS	57
H579	PERFORM AIRCRAFT POSTFLIGHT INSPECTIONS ON H-53 HELICOPTERS	57
H5 6 5	INSPECT ROTOR SYSTEMS ON H-53 HELICOPTERS	57
F 195	OPERATE HELICOPTER INTERPHONE SYSTEMS	57
H577	PERFORM AIRCRAFT MAINTENANCE PREFLIGHT INSPECTIONS ON H-53	
	HELICOPTERS	57
H573	LAUNCH H-53 HELICOPTERS IDENTIFY PRESENCE OF CORROSION ON HELICOPTERS LUBRICATE MAIN ROTOR HEAD ON H-3 OR H-53 HELICOPTERS	50
F175	IDENTIFY PRESENCE OF CORROSION ON HELICOPTERS	50
F190	LUBRICATE MAIN ROTOR HEAD ON H-3 OR H-53 HELICOPTERS	50
E 131	PREPARE AFTO FORMS 781H (AEROSPACE VEHICLE FLIGHT STATUS	
	AND MATHEMANCE DOCUMENT!	FΛ
F210	POSITION OR SPOT NONPOWERED AIRCRAFT SUPPORT EQUIPMENT OPERATE SERVICING AIR COMPRESSORS	43
F200	OPERATE SERVICING AIR COMPRESSORS	43
H667	SERVICE MAIN ROTOR ASSEMBLIES ON H-53 HELICOPTERS	43
F211	POSITION OR SPOT POWERED AIRCRAFT SUPPORT EQUIPMENT	43

GROUP ID NUMBER AND TITLE: GRP128, H-53 GROUND SUPPORT SPECIALISTS NUMBER IN GROUP: 6 PERCENT OF CLUSTER: 43%

MAJCOM DISTRIBUTION: MAC (83%), AFSC (17%)

LOCATION: CONUS (100%)

DAFSC DISTRIBUTION: 43130C (100%)

AVERAGE GRADE: E-2 AVERAGE MONTHS IN CAREER FIELD: 5 AVERAGE MONTHS IN SERVICE: 8

TYPE AIRCRAFT SUPPORTED: HH-53 (83%)

CH-53 (33%)

		PERCENT MEMBERS
GROUP	DIFFERENTIATING TASKS	PERFORMING
L1064	INSPECT TOOLS OR TOOL KITS CLEAN HELICOPTER SURFACES OR COMPARTMENTS CONNECT OR DISCONNECT EXTERNAL ELECTRICAL POWER TO HELICOPTERS ATTACH OR DETACH TOWING DEVICES ON H-53 HELICOPTERS	100
F165	CLEAN HELICOPTER SURFACES OR COMPARTMENTS	100
F168	CONNECT OR DISCONNECT EXTERNAL ELECTRICAL POWER TO	
	HELICOPTERS	100
H548	ATTACH OR DETACH TOWING DEVICES ON H-53 HELICOPTERS	100
H565	INSPECT ROTOR SYSTEMS ON H-53 HELICOPTERS	100
	CLEAN HANDTOOLS OR SPECIAL EQUIPMENT	100
F219		100
H577	PERFORM AIRCRAFT MAINTENANCE PREFLIGHT INSPECTIONS ON H-53 HELICOPTERS	
H579 E125	PERFORM AIRCRAFT POSTFLIGHT INSPECTIONS ON H-53 HELICOPTERS PREPARE AFTO FORMS 781A (MAINTENANCE DISCREPANCY AND WORK	100
	DOCUMENT)	100
F248	REMOVE OR INSTALL MAIN ROTOR BLADES ON H-3 OR H-53	
	HELICOPTERS	100
F269	SERVICE HELICOPTER HYDRAULIC SYSTEMS	83
L 1065	INVENTORY EQUIPMENT, TOOLS, TOOL KITS, OR SUPPLIES	83
F271	SERVICE HELICOPTER TIRES	83
H667	SERVICE MAIN ROTOR ASSEMBLIES ON H-53 HELICOPTERS	83
F278	TAKE JOINT OIL ANALYSIS PROGRAM (JOAP) SAMPLES FROM	
	NELICUPIERS	03
E121	PREPARE AFTO FORMS 349 (MAINTENANCE DATA COLLECTION RECORD) RESEARCH AIR FORCE TOS OR STANDARD PUBLICATIONS	67
F262	RESEARCH AIR FORCE TOS OR STANDARD PUBLICATIONS	67
no/U	THE DOWN BLADES ON H-53 HELICOPTERS	0/
F200	OPERATE SERVICING AIR COMPRESSORS	67
H570	INSTALL MAIN ROTOR ASSEMBLIES ON H-53 HELICOPTERS REMOVE MAIN ROTOR ASSEMBLIES FROM H-3 OR H-53 HELICOPTERS	67
F220	REMOVE MAIN ROTOR ASSEMBLIES FROM H-3 OR H-53 HELICOPTERS	67
F195	OPERATE HELICOPTER INTERPHONE SYSTEMS	0/
	IDENTIFY PRESENCE OF CORROSION ON HELICOPTERS	67
H573	LAUNCH H-53 HELICOPTERS	67
E 122	PREPARE AFTO FORMS 350 (REPARABLE ITEM PROCESSING TAG)	67
F222	PREPARE AFTO FORMS 350 (REPARABLE ITEM PROCESSING TAG) REMOVE OR INSTALL AIRFRAME ACCESS PANELS, HATCHES, OR	4-
	COWLING ON HELICOPIERS	6/
H640	The same and a same and a same and a same a	
H607	RECOVER H-53 HELICOPTERS	67

GROUP ID NUMBER AND TITLE: GRP151, H-3 GROUND SUPPORT SPECIALISTS PERCENT OF CLUSTER: 36% NUMBER IN GROUP: 5

MAJCOM DISTRIBUTION: MAC (100%)

LOCATION: CONUS (100%)

see the second seconds seconds

DAFSC DISTRIBUTION: 43130C (100%)

AVERAGE MONTHS IN SERVICE: 6 AVERAGE GRADE: E-2

AVERAGE MONTHS IN CAREER FIELD: 3

TYPE AIRCRAFT SUPPORTED: HH-3 (80%) CH-3 (60%)

GROUP	DIFFERENTIATING TASKS	PERCENT MEMBERS PERFORMING
1701	ATTACH OF DETACH TOWING DEVICES ON H-3 HELICOPTERS	100
E210	ATTACH OR DETACH TOWING DEVICES ON H-3 HELICOPTERS REFUEL HELICOPTERS USING PRESSURE PROCEDURE	100
1726	LAUNCH H-3 HELICOPTERS	100
F121	PREPARE AFTO FORMS 349 (MAINTENANCE DATA COLLECTION RECORD)	
1212	TIE DOWN BLADES ON H-3 HELICOPTERS	100
F165	CLEAN HELICOPTED SUDFACES OD COMPARTMENTS	100
F268	SERVICE HELICOPTER ENGINE OU SYSTEMS	100
F190	LURDICATE MAIN ROTOR HEAD ON H-3 OR H-53 HELICOPTERS	100
F183	INSPECT VISIRIE THRRINE RIADES	100
1760	TIE DOWN BLADES ON H-3 HELICOPTERS CLEAN HELICOPTER SURFACES OR COMPARTMENTS SERVICE HELICOPTER ENGINE OIL SYSTEMS LUBRICATE MAIN ROTOR HEAD ON H-3 OR H-53 HELICOPTERS INSPECT VISIBLE TURBINE BLADES RECOVER H-3 HELICOPTERS	100
1 1065	RECOVER H-3 HELICOPTERS INVENTORY EQUIPMENT, TOOLS, TOOL KITS, OR SUPPLIES INSPECT TOOLS OR TOOL KITS	80
1 1064	INSPECT TOOLS OR TOOL KITS	80
1735	INSPECT TOOLS OR TOOL KITS PERFORM AIRCRAFT THRUFLIGHT INSPECTIONS ON H-3 HELICOPTERS INSPECT LANDING GEAR SYSTEMS ON H-3 OR H-53 HELICOPTERS	80
F180	INSPECT LANDING GEAR SYSTEMS ON H-3 OR H-53 HELICOPTERS	80
F 195	OPERATE HELICOPTER INTERPHONE SYSTEMS	80
F222	OPERATE HELICOPTER INTERPHONE SYSTEMS REMOVE OR INSTALL AIRFRAME ACCESS PANELS, HATCHES, OR	
	REMOVE OR INSTALL AIRFRAME ACCESS PANELS, HATCHES, OR COWLING ON HELICOPTERS SERVICE HELICOPTER TIRES CLEAN HANDTOOLS OR SPECIAL EQUIPMENT INSPECT ENGINES ON H-3 HELICOPTERS TAKE JOINT OIL ANALYSIS PROGRAM (JOAP) SAMPLES FROM HELICOPTERS	80
F271	SERVICE HELICOPTER TIRES	80
	CLEAN HANDTOOLS OR SPECIAL EQUIPMENT	80
1712	INSPECT ENGINES ON H-3 HELICOPTERS	80
F278	TAKE JOINT OIL ANALYSIS PROGRAM (JOAP) SAMPLES FROM	
	HELICOPTERS	80
F187	LUBRICATE AIRFRAME COMPONENTS ON HELICOPTERS	80
F189	LUBRICATE LANDING GEAR COMPONENTS ON H-3 OR H-53 HELICOPTERS	
F218	REFUEL HELICOPTERS USING GRAVITY PROCEDURE	60
F210	POSITION OR SPOT NONPOWERED AIRCRAFT SUPPORT EQUIPMENT	60
1774	REMOVE OR INSTALL ENGINE ACCESS PANELS OR COWLING ON H-3	
	HELICOPTERS	60
1771	REMOVE OR INSTALL DOORS ON H-3 HELICOPTERS	60
1728	MOOR H-3 HELICOPTERS	60
	INSPECT BATTERIES ON H-3 HELICOPTERS	60
F236		
	WINDOWS	60
1740		
	INSTALLED ON H-3 HELICOPTERS	60
1725	JACK H-3 HELICOPTERS	60

GROUP ID NUMBER AND TITLE: GRP113, UH-60A FLIGHTLINE MAINTENANCE SPECIALISTS

NUMBER IN GROUP: 20 PERCENT OF SAMPLE: 2%

MAJCOM DISTRIBUTION: MAC (100%)

LOCATION: CONUS (100%)

DAFSC DISTRIBUTION: 43130C (40%), 43150C (30%), 43170C (25%)

AVERAGE GRADE: E-4 AVERAGE MONTHS IN SERVICE: 51

AVERAGE MONTHS IN CAREER FIELD: 46

TYPE AIRCRAFT MAINTAINED: UH-60A

		PERCENT MEMBERS
GROUP	DIFFERENTIATING TASKS	PERFORMING
J870	LAUNCH H-60 HELICOPTERS	100
J909	RECOVER H-60 HELICOPTERS	100
J953	REMOVE OR INSTALL MAIN ROTOR BLADES ON H-60 HELICOPTERS	100
J916	REMOVE OR INSTALL BATTERIES ON H-60 HELICOPTERS	100
J972	REMOVE OR INSTALL STABILATORS ON H-60 HELICOPTERS	100
E133	PREPARE AFTO FORMS 781K (AEROSPACE VEHICLE INSPECTION, ENG	
	DATA. CALENDAR ITEM INSP AND DELAYED DISCREP DOCUMENT)	100
J870	INSPECT ROTOR SYSTEMS ON H-60 HELICOPTERS	100
J864	INSPECT FLIGHT CONTROL SYSTEMS ON H-60 HELICOPTERS	100
J911	REMOVE MAIN ROTOR ASSEMBLIES FROM H-60 HELICOPTERS INSPECT LANDING GEAR SYSTEMS ON H-60 HELICOPTERS INSTALL MAIN ROTOR ASSEMBLIES ON H-60 HELICOPTERS INSPECT HYDRAULIC SYSTEMS ON H-60 HELICOPTERS TIF DOWN BLADES ON H-60 HELICOPTERS	100
J868	INSPECT LANDING GEAR SYSTEMS ON H-60 HELICOPTERS	100
J875	INSTALL MAIN ROTOR ASSEMBLIES ON H-60 HELICOPTERS	100
J867	INSPECT HYDRAULIC SYSTEMS ON H-60 HELICOPTERS	100
J993	The bonn bended on it do iteration lend	100
J8 6 3	INSPECT FIRE EXTINGUISHER SYSTEMS INSTALLED ON H-60	
	HELICOPTERS	100
J926	REMOVE OR INSTALL ELECTRIC RESCUE HOISTING EQUIPMENT ON H-60	
	HELICOPTERS	95
კ955	REMOVE OR INSTALL MAIN ROTOR DAMPERS ON H-60 HELICOPTERS	95
J848	ATTACH OR DETACH TOW BARS ON H-60 HELICOPTERS	95
J860	INSPECT ELASTROMERIC BEARING ASSEMBLIES ON H-60 HELICOPTERS	95
E125	PREPARE AFTO FORMS 781A (MAINTENANCE DISCREPANCY AND WORK	
	DOCUMENT)	95
E121	PREPARE AFTO FORMS 349 (MAINTENANCE DATA COLLECTION RECORD)	95
E 132	PREPARE AFTO FORMS 781J (AEROSPACE VEHICLE-ENGINE FLIGHT)	95
J872	PREPARE AFTO FORMS 781J (AEROSPACE VEHICLE-ENGINE FLIGHT) INSPECT TRANSMISSION DRIVE SYSTEMS ON H-60 HELICOPTERS	95
J862	INSPECT ENGINES ON H-60 HELICOPTERS	95
K876	INSTALL TAIL ROTOR ASSEMBLIES ON H-60 HELICOPTERS	95
J878	JACK H-60 HELICOPTERS	95
E131	PREPARE AFTO FORMS 781H (AEROSPACE VEHICLE FLIGHT STATUS	
	AND MAINTENANCE DOCUMENT)	90
1952	REMOVE OR INSTALL MAIN MODULE ON H-60 HELICOPTERS	90
J855	DRAIN OR FLUSH TRANSMISSION OIL SYSTEMS ON H-60 HELICOPTERS	90
J873	INSPECT TRANSMISSIONS ON H-60 HELICOPTERS	90
J985	REMOVE TAIL ROTOR ASSEMPLIES FROM H-60 HELICOPTERS	90
J958	REMOVE OR INSTALL MAIN ROTOR SWASHPLATES ON H-60 HELICOPTERS	90
J888	PERFORM AIRCRAFT SPECIAL INSPECTIONS ON H-60 HELICOPTERS	90

GROUP ID NUMBER AND TITLE: GRP091, TOOL CRIB SPECIALISTS

PERCENT OF SAMPLE: 1% NUMBER IN GROUP: 6

MAJCOM DISTRIBUTION: MAC (67%), AFSC (17%), USAFE (16%)

LOCATION: CONUS (33%), OVERSEAS (67%)
DAFSC DISTRIBUTION: 43150C (83%), 43170C (17%)

AVERAGE GRADE: E-4 AVERAGE MONTHS IN SERVICE: 89

AVERAGE MONTHS IN CAREER FIELD: 77

TYPE AIRCRAFT SUPPORTED: CH-3 (50%)

HH-3 (33%) CH-53 (33%) HH-53 (50%)

GROUP	DIFFERENTIATING TASKS	PERCENT MEMBERS PERFORMING
	TOOL WITE OR CURRENT	100
L 1065	INVENTORY EQUIPMENT, TOOLS, TOOL KITS, OR SUPPLIES	100
L 1004	INSPECT TOOLS OR TOOL KITS	100
	CLEAN HANDTOOLS OR SPECIAL EQUIPMENT	100
11066	ISSUE EQUIPMENT, TOOLS, TOOL KITS, OR SUPPLIES RECEIVE TURN-IN OF EQUIPMENT, TOOLS, TOOL KITS, OR SUPPLIES	83
L 1080	RECEIVE TURN-IN OF EQUIPMENT, TOOLS, TOOL KITS, OR SUPPLIES	67
E122	PREPARE AFTO FORMS 350 (REPARABLE ITEM PROCESSING TAG)	50
L 1082	SCHEDULE PERIODIC CALIBRATION OF SPECIAL HANDTOOLS OR	•
	EQUIPMENT MAINTAIN SUPPLY RECORDS PREPARE AF FORMS 2005 (ISSUE/TURN-IN REQUEST) COMPLETE STATUS TAGS FOR CONDITION OF PROPERTY ORDER PARTS BY VOICE COMMUNICATION	33
E 109	MAINTAIN SUPPLY RECORDS	33
E114	PREPARE AF FORMS 2005 (ISSUE/TURN-IN REQUEST)	33
E98	COMPLETE STATUS TAGS FOR CONDITION OF PROPERTY	33
C70	PREPARE APR	33
J935	REMOVE OR INSTALL EXTERNAL ENGINE ACTUATING SYSTEM IGV	
	COMPONENTS ON H-60 HELICOPTERS	17
L 1063	CLEAN NONPOWERED AIRCRAFT SUPPORT EQUIPMENT	17
L 1077	PERFORM PERIODIC MAINTENANCE INSPECTIONS ON NONPOWERED	
	AIRCRAFT SUPPORT EQUIPMENT	17
E 137	PREPARE DD FORMS 1348-1 (DOD SINGLE LINE ITEM RELEASE/	
	RECEIPT DOCUMENT)	17
L1079	PERFORM PRE-USE INSPECTIONS ON SPECIALIZED SUPPORT EQUIPMENT	17
B36	IMPLEMENT OR FOLLOW-UP ON CORROSION CONTROL PROGRAMS	17
A5	DETERMINE WORK PRIORITIES	17
L1069	PERFORM PRE-USE INSPECTIONS ON SPECIALIZED SUPPORT EQUIPMENT IMPLEMENT OR FOLLOW-UP ON CORROSION CONTROL PROGRAMS DETERMINE WORK PRIORITIES MAINTAIN GROUND HANDLING WHEELS MAINTAIN DAILY STATUS REPORTS PREPARE REQUESTS FOR AUTHORIZATION OF MATERIEL	17
E 104	MAINTAIN DAILY STATUS REPORTS	17
E 139	PREPARE REQUESTS FOR AUTHORIZATION OF MATERIEL	17
L 1076	PERFORM OPERATOR MAINTENANCE ON TRANSPORTATION VEHICLES	17
E111	MAINTAIN WORK RECORDS OR WORK ORDER FILED	17
E 12 1	PREPARE AFTO FORMS 349 (MAINTENANCE DATA COLLECTION RECORD)	17
B34	DIRECT UTILIZATION OF EQUIPMENT	17
E 100	PREPARE AFTO FORMS 349 (MAINTENANCE DATA COLLECTION RECORD) DIRECT UTILIZATION OF EQUIPMENT DRAFT CORRESPONDENCE OR REPORTS PREPARE AF FORMS 2413 (SUPPLY CONTROL LOG)	17
E115	PREPARE AF FORMS 2413 (SUPPLY CONTROL LOG)	17
E 140	PREPARE REQUESTS FOR SPECIAL ORDERS	17